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## INDEX SHEET

### CURRICULUM PLANNING

#### INDEX SHEET

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**MATHRUSRI RAMABAI AMBEDKAR  
DENTAL COLLEGE & HOSPITAL**

(Founded by : Ananda Social & Educational Trust)  
ISO 9001:2015 CERTIFIED

Affiliated to Rajiv Gandhi University of Health Sciences  
Recognised by Dental Council of India

1/36, Cline Road, Cooke Town, Bengaluru - 560 005  
Ph: 080 - 2546 0747 [www.mradc.in](http://www.mradc.in)

## LESSON PLAN

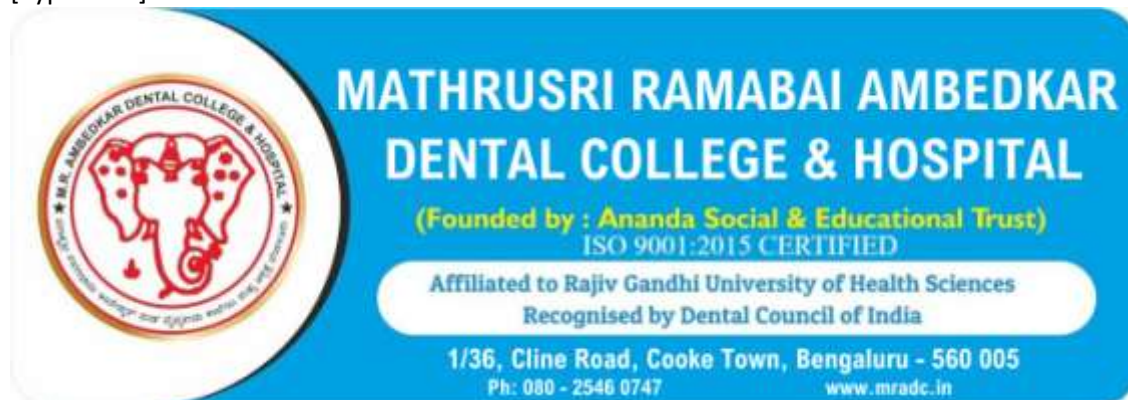


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## Department of Oral Pathology and Microbiology

### Lesson plan

Class – 1<sup>st</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

Topic: Periodontal Ligament.

**General objective-**At the end of the session learner will be able to describe the Introduction, Development and Pdl homeostasis.

#### **Specific learning objective-**

- 1.) Definition.
- 2.) synonyms.
- 3.) Introduction to pdl.
- 4.) Homeostasis.

Induction time-45mins-1hour.

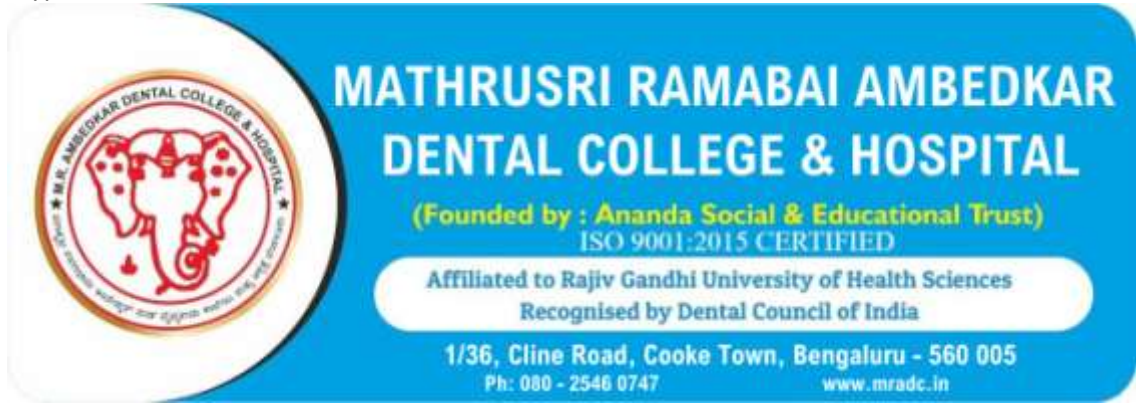
Objective	Method/medium	Assessment	Time
To make the student learn about definition, synonyms and pdl homeostasis.	-lecture -AV Aids	Questionnaire	15 min



Conclude- Assignment

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## DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

### Lesson plan

Class – 1<sup>st</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1 hour

Topic: Cells of Periodontal Ligament.

**General objective-**At the end of the session learner will be able to describe the cells of pdl.

#### **Specific learning objective-**

Describe 1) synthetic cells -Fibroblast

-osteoblast

-cementoblast

2)Resorptive cells - osteoclasts

- Fibroblasts

- cementoclasts

Induction time-45mins-1 hour.

Objective	Method/medium	Assessment	Time
To make the student learn about	-lecture -AV Aids	Questionnaire	15 min



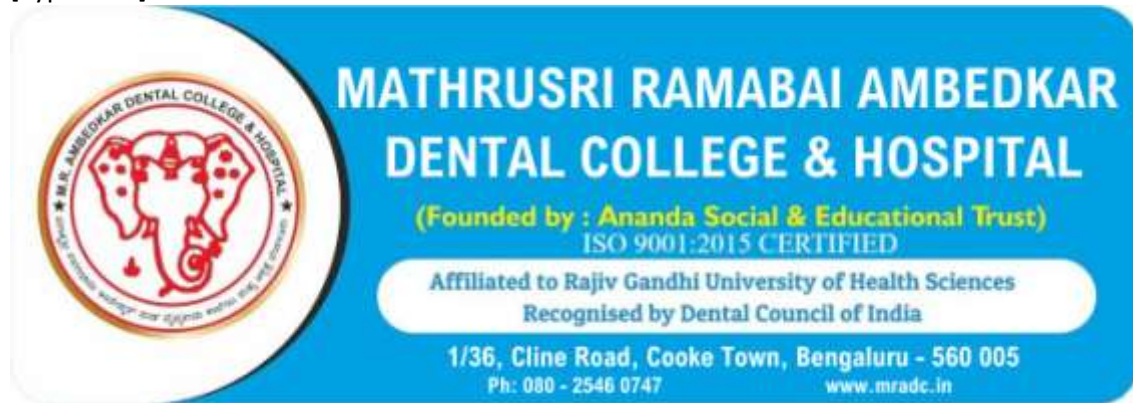
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## Department of Oral Pathology and Microbiology

### Lesson plan

Class – 1<sup>st</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour


Topic: Cells of Periodontal Ligament.

**General objective-**At the end of the session learner will be able to describe the progenitor cells, epithelial cells of malassez ,Defence cell and extracellular substance.

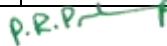
### **Specific learning objective-**

- 1.) progenitor cells
- 2.) epithelial cells of malassez
- 3.) Defence cell
- 4.)extracellular substance.

Induction time-45mins-1hour.

Objective	Method/medium	Assessment	Time
To make the student learn about progenitor cells, epithelial cells of malassez , Defence cell and extracellular substance.	-lecture -AV  Aid s	Questionnaire	15 min

Conclude- Assignment

  
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## Department of Oral Pathology and Microbiology

### Lesson plan

Class – 1<sup>st</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

Topic: Principal fibers of Periodontal Ligament.

**General objective-**At the end of the session learner will be able to describe the:

- Principal fibers of Periodontal Ligament
- General substance

### **Specific learning objective-**

- 1.) Types of principal fibers .
- 2.) Sharpeys fibers.
- 3.) General Substance.

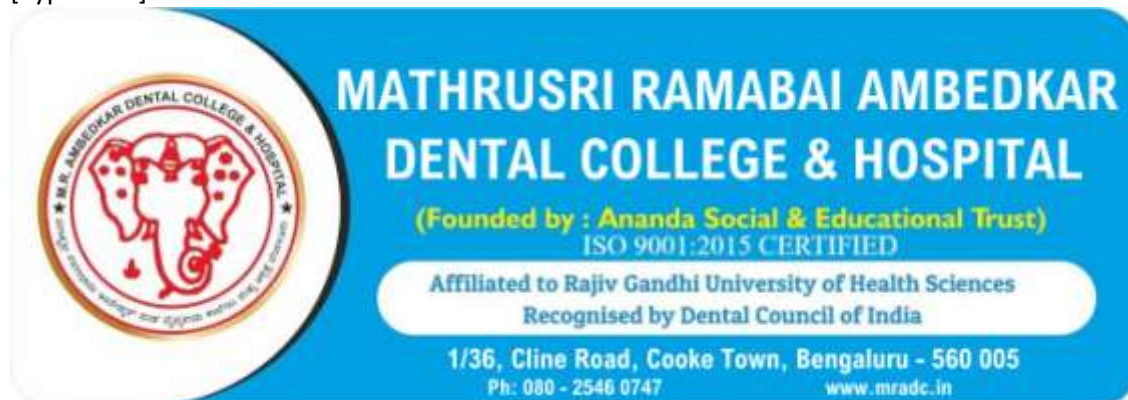
Induction time-45mins-1hour.

Objective	Method/medium	Assessment	Time
To make the student learn about Principal fibers of Periodontal Ligament General substance	-lecture -AV Aids	Questionnaire	15 min



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## Department of Oral Pathology and Microbiology

### Lesson plan

Class – 1<sup>st</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

Topic: Blood supply and nerve supply of pdl.



**General objective-**At the end of the session learner will be able to describe the - Blood supply and nerve supply of pdl

- cementicles
- functions
- clinical considerations

### **Specific learning objective-**

- 1.) Blood supply and nerve supply of pdl
  - 2.) cementicles.
  - 3.) functions
  - 4.) clinical considerations.
- 3.) General Substance.

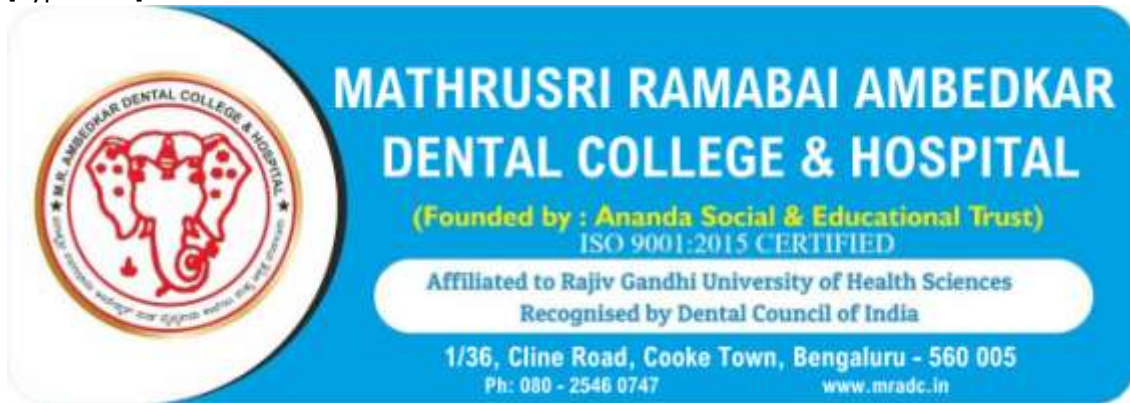
Induction time-45mins-1hour.

Objective	Method/medium	Assessment	Time
To make the student learn Blood supply and nerve supply of pdl <ul style="list-style-type: none"><li>- cementicles</li><li>- functions</li><li>- clinical considerations.</li></ul>	-lecture -AV Aids	Questionnaire	15 min

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## Department of Oral Pathology and Microbiology

### Lesson plan

Class - 3<sup>RD</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

Topic: Aetiologic factors.

Classification of Pulpitis.

**General objective-**At the end of the session learner will be able to describe the causative factors for pulpitis and to differentiate acute and chronic pulpitis.

#### **Specific learning objective-**

- 1.) Etiologic factors.
- 2.) Classification of acute and chronic pulpitis.
- 3.) Histological features of acute and chronic pulpitis.
- 4.) Treatment and Prognosis.

Induction time-45mins-1hour.

Objective	Method/medium	Assessment	Time
To make the student learn about Types of pulpitis. Acute and chronic pulpitis.	-lecture -AV Aids	Questionnaire	15 min

Conclude- Assignment



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## Department of Oral Pathology and Microbiology

### Lesson plan

Class - 3<sup>RD</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

### Topic: OSTEOMYELITIS.

acutesuppurative osteomyelitis.

chronicsuppurativeosteomyelitis.

**General objective-**At the end of the session learner will be able to describe The difference between acute suppurative osteomyelitis and chronic suppurative osteomyelitis.

### **Specific learning objective-**

- 1.) Definition of osteomyelitis
- 2.) Classificationof osteomyelitis
- 3.) Clinical features, radio graphical features, histopathological features of ASO
- 4.) Clinical features, radio graphical features, histopathological features of CSO

**Induction time-**30 to 40 min.



Objective	Method/medium	Assessment	Time
To make the student learn about osteomyelitis.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Department of Oral Pathology and Microbiology

### Lesson plan

Class - 3<sup>RD</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

**Topic:** Chronic osteomyelitis with proliferative periosteitis.

**General objective-**At the end of the session learner will be able to describe the histopathological and radiographical features of chronic osteomyelitis with proliferativeperiosteitis.

### **Specific learning objective-**

- 1.) Terminology
- 2.) Clinical features, radio graphical features, histopathological features of Chronicosteolyelitis with proliferative periosteitis.

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about osteomyelitis.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

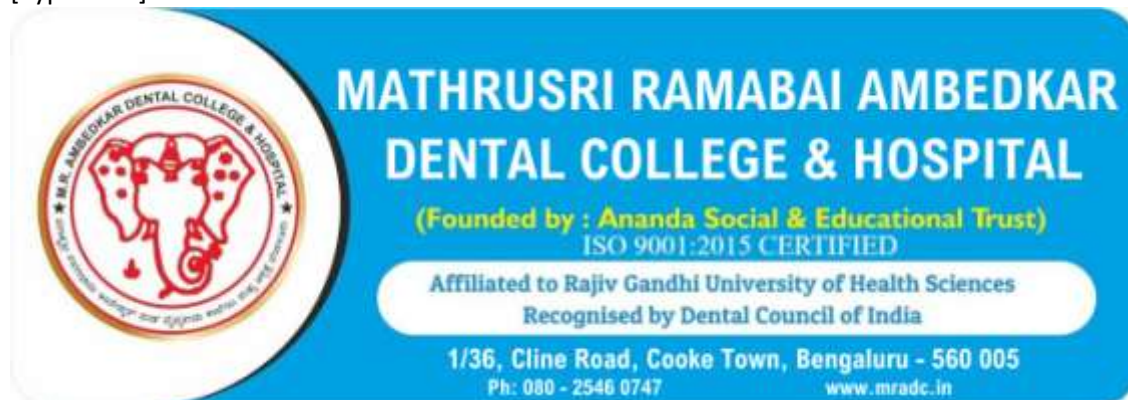


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## Department of Oral Pathology and Microbiology

### Lesson plan

Class - 3<sup>RD</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour



**Topic:** Chronic diffuse sclerosing osteomyelitis.

Chronic focal sclerosing osteomyelitis.

**General objective-**At the end of the session learner will be able to describe clinically and histopathologically differentiate between CFSO and CDSO.

### **Specific learning objective-**

- 1.) Clinical features, radio graphical features, histopathological features of CFSO
- 2.) Clinical features, radio graphical features, histopathological features of CDSO

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about CFSO and CDSO.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## LESSON PLAN

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:** salivary gland aplasia, Mucocele, Ranula, salivary duct cysts

**Learning objective-**At the end of the session learner will be able to brief the etiopathogenesis, clinical features, histopathology and treatment for salivary gland aplasia, Mucocele, Ranula, salivary duct cysts.

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about salivary gland aplasia, Mucocele, Ranula, salivary duct cysts.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment



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## LESSON PLAN

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Date-**

**Time - 1hour**

**Topic:** sialolithiasis, sialadenitits,cheilitisglandularis

**Learning objective-**At the end of the session learner will be able to brief the etiopathogenesis, clinical features histopathology and treatment of sialolithiasis, sialadenitits, cheilitisglandularis.

**Induction time-**30 to 40 min.

<b>Objective</b>	<b>Method/medium</b>	<b>Assessment</b>	<b>Time</b>
To make the student learn about sialolithiasis, sialadenitits, cheilitisglandularis.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment



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**Lesson plan**

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:** sialorrhea ,xerostomia, benign lymphoepithelial lesion,

**General objective-**At the end of the session learner will be able to differentiate clinically and histopathologicallysialorrhea ,xerostomia, benign lymphoepithelial lesion

**Specific learning objective-**

- 1.) Pathogenesis,Clinical features, histopathological features sialorrhea , xerostomia, benign lymphoepithelial lesion
- 2.) Pathogenesis,Clinical features sialorrhea , xerostomia, benign lymphoepithelial lesion



**Induction time-**30 to 40 min.

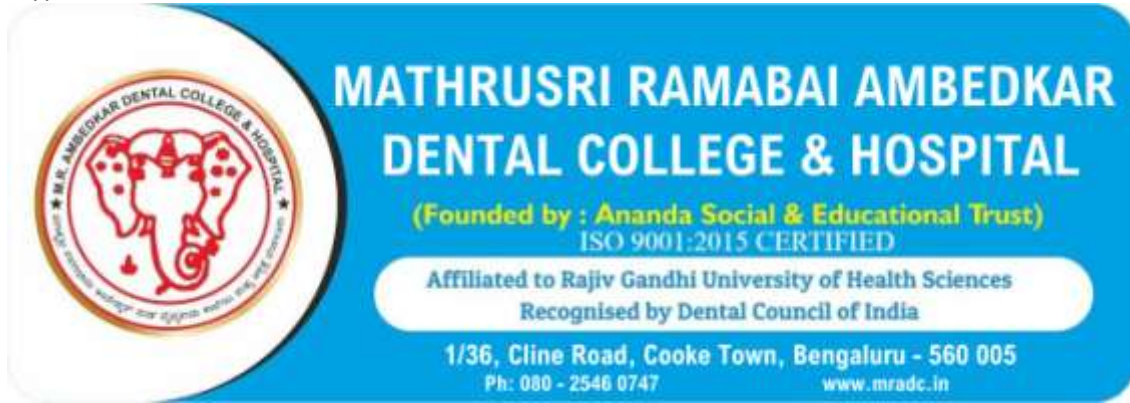
<b>Objective</b>	<b>Method/medium</b>	<b>Assessment</b>	<b>Time</b>
To make the student learn about sialorrhea , xerostomia, benign lymphoepithelial lesion	-lecture -AV Aids	Questionnaire	15 min

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### Lesson plan

Class - 3<sup>RD</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

Topics: Sjogren syndrome, sialadelosis, adenomatoid hyperplasia of minor salivary gland

**General objective-**At the end of the session learner will be able to describe clinically and histopathologically about erythematosis,dariersdisease,epidermolysisbullosa,scleroderma



**Specific learning objective-**

1.) Pathogenesis,Clinical features, histopathological features of erythematosis,dariersdisease,epidermolysisbullosa,scleroderma

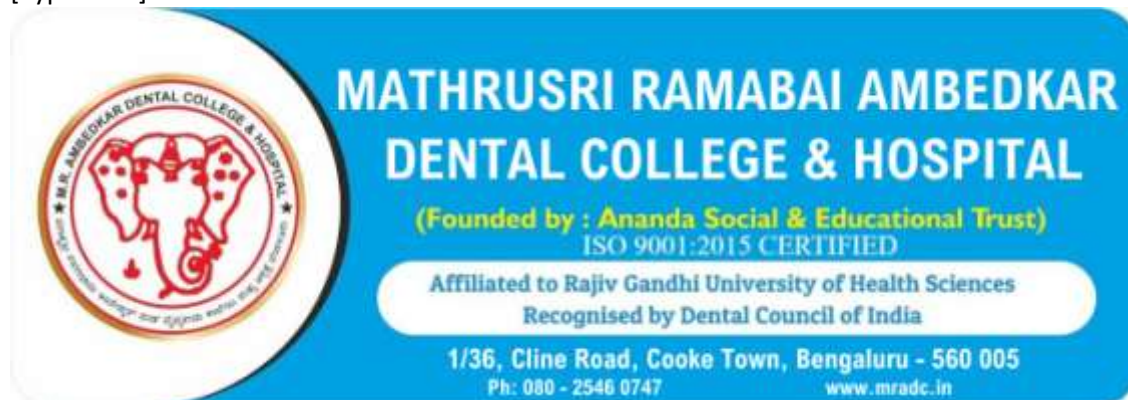
**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about erythematosis,dariersdisease,epidermolysisbullosa,scleroderma	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

Class - 3<sup>RD</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

**Topic:** necrotizing sialometaplasia, pleomorphic adenoma and oncocytoma.

**General objective-**At the end of the session learner will be able to differentiate: necrotizing sialometaplasia, pleomorphic adenoma and oncocytoma.

### Specific learning objective-

- 1.) Definition,describe in detail about various : necrotizing sialometaplasia
- 2.) Definition,describe in detail about pleomorphic adenoma
- 3.) Definition,describe in detail oncocytoma.

**Induction time-**30 to 40 min.



Objective	Method/medium	Assessment	Time
To make the student learn about: necrotizing sialometaplasia, pleomorphic adenoma and oncocytoma.	-lecture -AV Aids	Questionnaire	15 min

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## LESSON PLAN

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic: oncocytosis, warthin tumor and monomorphic adenoma**

**General objective-**At the end of the session learner will be enumerate various **oncocytosis, warthin tumor and monomorphic adenoma**

**Specific learning objective-**

- 1.) Definition. **oncocytosis**
- 2.) **oncocytosis, warthin tumor and monomorphic adenoma**

**Induction time-**30 to 40 min.



Objective	Method/medium	Assessment	Time
To make the student learn about <b>oncocytosis, warthin tumor and monomorphic adenoma</b>	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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### Lesson plan

Class - 3<sup>RD</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

**Topic canalicular adenoma, basal cell adenoma and ductal papillomas**

**General objective-**At the end of the session learner will be able to name the malignant tumors of epithelial origin and histopathologically diagnose **canalicular adenoma, basal cell adenoma and ductal papillomas**

**Specific learning objective-**

- 1.) Canalicular adenoma
- 2.) Basal cell adenoma and ductal papillomas

**Induction time-**30 to 40 min.

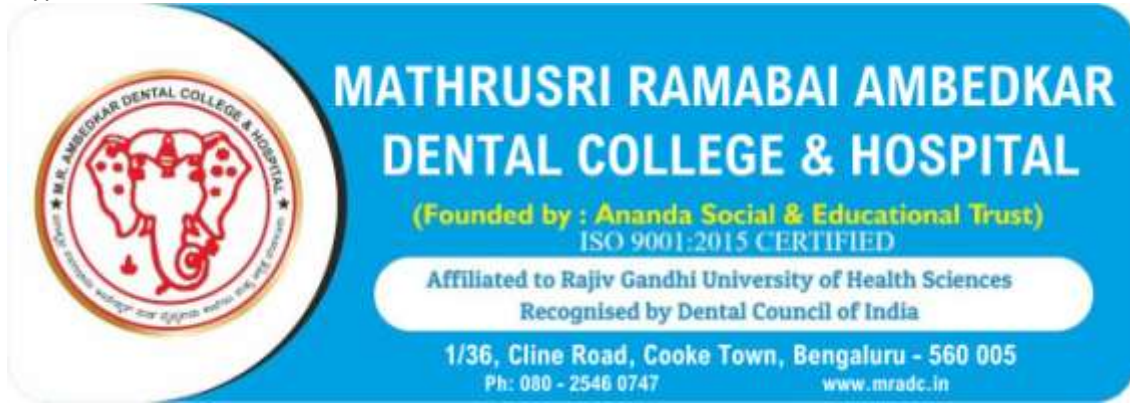


Objective	Method/medium	Assessment	Time
To make the student learn about <b>canalicular adenoma, basal cell adenoma and ductal papillomas</b>	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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### Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1 hour**

**Topic:** Mucoepidermoid carcinoma, intraosseousmucoepidermoid carcinoma and acinic cell adenoma carcinoma.

**General objective-** At the end of the session learner about mucoepidermoid carcinoma, intraosseousmucoepidermoid carcinoma and acinic cell adenoma carcinoma.

#### **Specific learning objective-**

- 1.) mucoepidermoid carcinoma,
- 2 intraosseousmucoepidermoid carcinoma and acinic cell adenoma carcinoma.

**Induction time-**30 to 40 min.



Objective	Method/medium	Assessment	Time
To make the student learn about mucoepidermoid carcinoma, intraosseousmucoepidermoid carcinoma and acinic cell adenoma carcinoma.	-lecture -AV Aids	Questionnaire	15 min

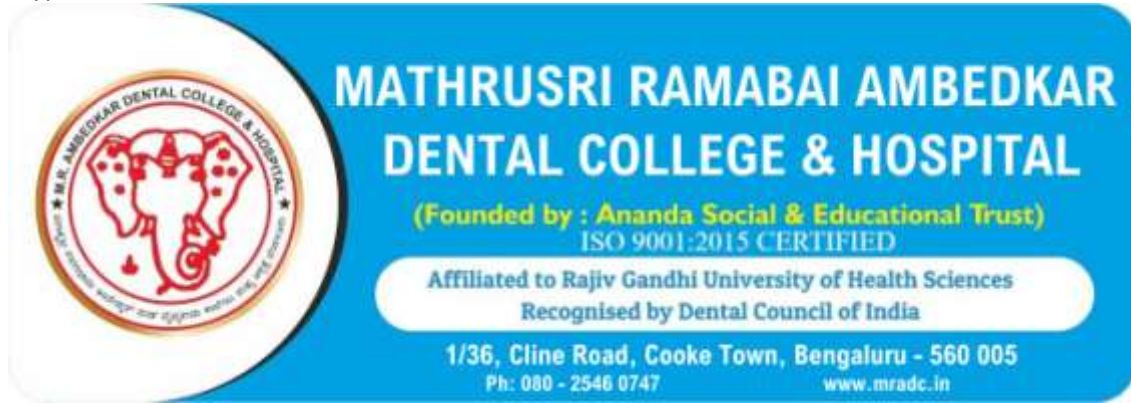
**Conclude-** Assignment

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### Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:** Malignant mixed tumors, adenoid cystic carcinoma, polymorphous low grade adenoma carcinoma and salivary adenocarcinoma

General objective-At the end of the session learner about malignant mixed tumors, adenoid cystic carcinoma, polymorphous low grade adenoma carcinoma and salivary adenocarcinoma

#### **Specific learning objective-**

- 1.) Malignant mixed tumors,
- 2.) Adenoidcystic carcinoma, eoblastoma
- 3.) Malignant mixed tumors, adenoid cystic carcinoma, polymorphous low grade adenoma carcinoma and salivary adenocarcinoma

**Induction time-30 to 40 min.**



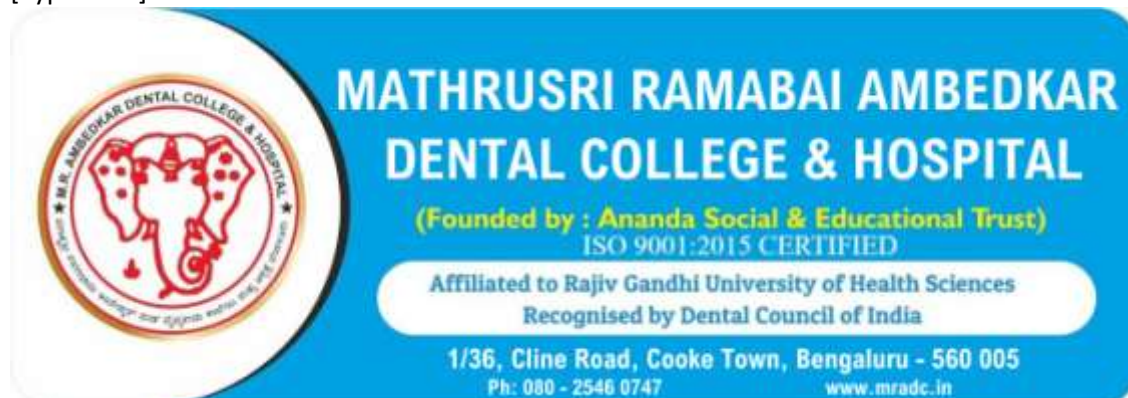
Objective	Method/medium	Assessment	Time
To make the student learn about <b>malignant mixed tumors, adenoid cystic carcinoma, polymorphous low grade adenoma carcinoma and salivary adenocarcinoma</b>	-lecture -AV Aids	Questionnaire	15 min

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**Conclude-** Assignment

### Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:THEORIES AND EITHOLOGY OF DENTAL CARIES.**

**General objective-**At the end of the session learns about theories of dental caries.

**Specific learning objective-**

- 1.) About theories of dental caries.
- 2.)Features of dental caries

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about theories of dental caries	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment



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**Lesson plan**

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**



**Topic:clinical features of dental caries**

**General objective-**At the end of the session learner will be able to enumerate malignant tumours arising from fibroblasts,bone,cartilage

**Specific learning objective-**

**1.) Clinical features of dental caries**

**Induction time-30 to 40 min.**

<b>Objective</b>	<b>Method/medium</b>	<b>Assessment</b>	<b>Time</b>
To make the student learn about <b>clinical features of dental caries</b>	-lecture -AV Aids	Questionnaire	15 min

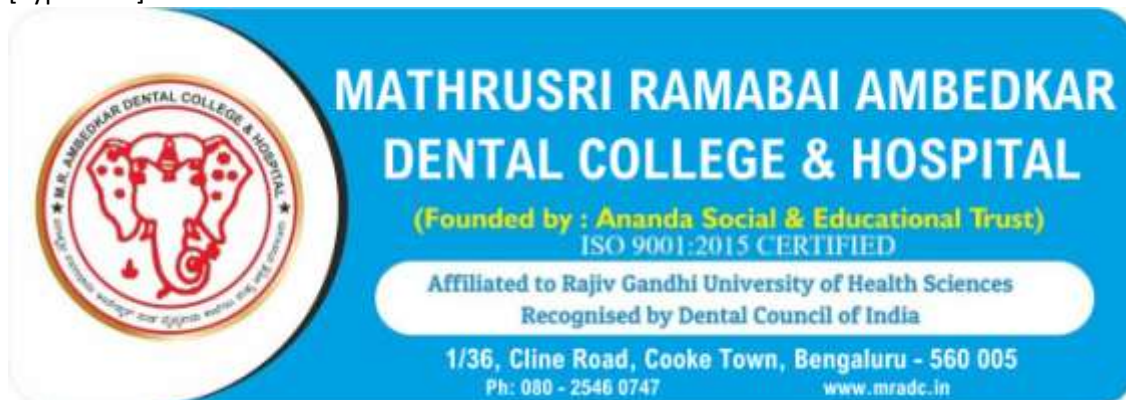
**Conclude-** Assignment

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## LESSON PLAN

**Topic:** Introduction to Dental Anatomy

**Domain:** Cognitive

**Training/Learning Experiences**

**Method**

**Medium**

**Class-Room**

**Practical**

**Aids**

Theory Class

Model  
Demonstration

AV – PPT &  
Videos

**Expected Hours** 4 hours

**Number of Classes** 04

**General Objective**

At the end of the session learner will be able to describe the parts of tooth with detailed knowledge on anatomic, morphologic features and also traits. Student will also enumerate stages of dentition, dental formula and notation also dentition types and differences.

**Specific Learning Objective**

- Definitions and Nomenclature in Dental Anatomy
- Describe Types of dentition
- Naming teeth based on location within the normal, complete human dentition
  - Complete primary dentition
  - Complete permanent dentition
- Tooth identification / numbering Systems
  - Write down dental formula
  - Describe the different methods of notation
- Terminology used to describe the tissues of a tooth (and definition of anatomic crown and root)
- Introduction to the periodontium (and definition of clinical crown and root)
- Terminology used to define tooth surfaces
  - Terms that identify outer surfaces (toward the cheeks or lips) of anterior versus posterior teeth
  - Terms that identify inner surfaces (toward the tongue) of maxillary versus mandibular teeth
  - Terms that differentiate biting surfaces of anterior versus

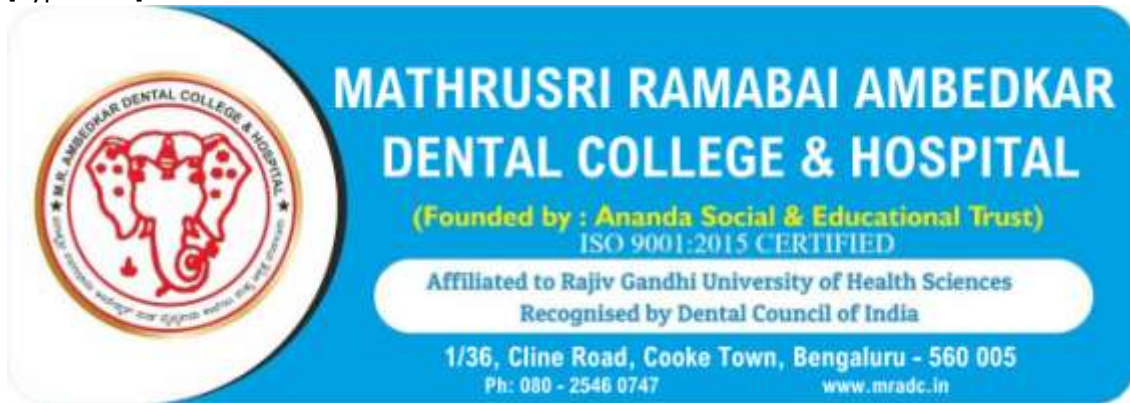


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- posterior teeth
- Terms that differentiate approximating surfaces of teeth
- Terms to denote tooth surface junctions or dimensions
- Divisions (thirds) of the crown or root (for purposes of description)
- Root-to-crown ratio
- Terminology used to describe the morphology of a tooth
  - Morphology of an anatomic crown
  - External morphology of the anatomic root
  - Cervical line (cementoenamel junction or CEJ)
  - curvature
  - Relative size
- Terminology related to the ideal tooth alignment of teeth in dental arches
  - Midroot axis line and tooth alignment
  - Crest of curvature (height of contour) on the facial and lingual surface
  - Contact areas (or proximal crests of curvature)
  - Embrasure spaces
- Different Traits
- Ideal occlusion: inter (between) arch relationship of teeth
- Tooth development from lobes

**Induction Time** 15 min per class

**Assessment** MCQs

**Conclude** Handouts  
Assignments

**Faculty** Dr. Deepak V.



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## LESSON PLAN

**Topic:** Development and Eruption of Teeth

**Domain:** Cognitive

**Training/Learning Experiences**

**Method**

**Medium**

**Class-Room**

**Practical**

**Aids**

Theory Class

Model  
Demonstration

AV – PPT &  
Videos

**Expected Hours** 2 hours

**Number of Classes** 02

**General Objective**

At the end of the session learner will be able to differences in primary and permanent teeth. The student will be able to narrate the chronology of eruption in both types of dentition.

**Specific Learning Objective**

- Brief introduction tooth embryology and development of teeth
- Enumerate the types of Dentition
- Describe the chronology of tooth development for each dentition
  - First Evidence of Calcification
  - Crown completion
  - Eruption
  - Root completion
- Describe the differences in primary and permanent dentition
  - Significance of Deciduous dentition
  - General Features
  - Macroscopic Features
  - Microscopic Features
  - Eruption & Shedding



**Induction Time** 15 min per class

**Assessment** MCQs

**Conclude** Handouts  
Assignments

**Faculty** Dr. Deepak V.

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## LESSON PLAN

**Topic:** Permanent Maxillary Incisors

**Domain:** Cognitive

**Training/Learning Experiences**

Psychomotor

**Method**

**Medium**

**Class-Room**

**Practical**

**Aids**



Theory Class

Model &  
Extracted tooth  
Demonstration

AV – PPT &  
Videos

**Expected Hours** 2 hours

**Number of Classes** 02

**General Objective**

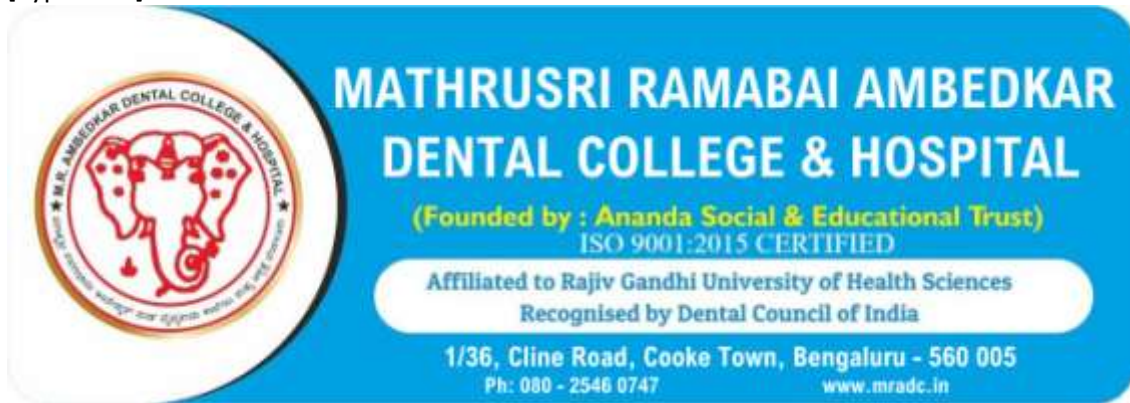
At the end of the session learner will be able to describe the morphology of maxillary incisors from all aspects and student will be able to simulate the anatomy through carving on wax block.

**Specific Learning Objective**

- General description of incisors – Set Traits
  - Location of incisors in the mouth
  - Functions of incisors
  - Assign a tooth number systems to maxillary incisors present in a mouth (or on a model) with complete dentition
- Studying tooth morphology
  - Class traits of most incisors from the facial, lingual, incisal and proximal views
  - Type traits that differentiate maxillary central from lateral incisors (from all views)
    - Introduction
    - Chronology
    - Crown morphology

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- Root morphology
- Pulp morphology
- Arch traits that differentiate mandibular from maxillary incisor
- Interesting variations and ethnic differences in incisors

**Induction Time**

15 min per class

**Assessment**

- MCQs
- Exercises:
  - List class traits common to all incisors.
  - List arch traits that can be used to distinguish maxillary from mandibular incisors.
  - From a selection of all teeth, select and separate out the incisors (using class traits).
  - Divide a selection of all incisors into maxillary and mandibular (using arch traits).
  - Select and separate maxillary incisors from a selection of all teeth on a bench top.
  - Holding a maxillary incisor, determine whether it is a central or a lateral and right or left. Then assign a tooth number to it using different notation systems.




**Conclude**

Handouts  
Assignments  
Carving Demonstration – Video and Manual

**Faculty**

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## LESSON PLAN

**Topic:** Permanent Mandibular Incisors

**Domain:** Cognitive  
Psychomotor

**Training/Learning Experiences**

**Method**

**Medium**

**Class-Room**

**Practical**

**Aids**

Theory Class

Model &  
Extracted tooth  
Demonstration

AV – PPT &  
Videos

**Expected Hours** 2 hours

**Number of Classes** 02

**General Objective**

At the end of the session learner will be able to describe the morphology of mandibular incisors from all aspects and student will be able to simulate the anatomy through carving on wax block.

**Specific Learning Objective**



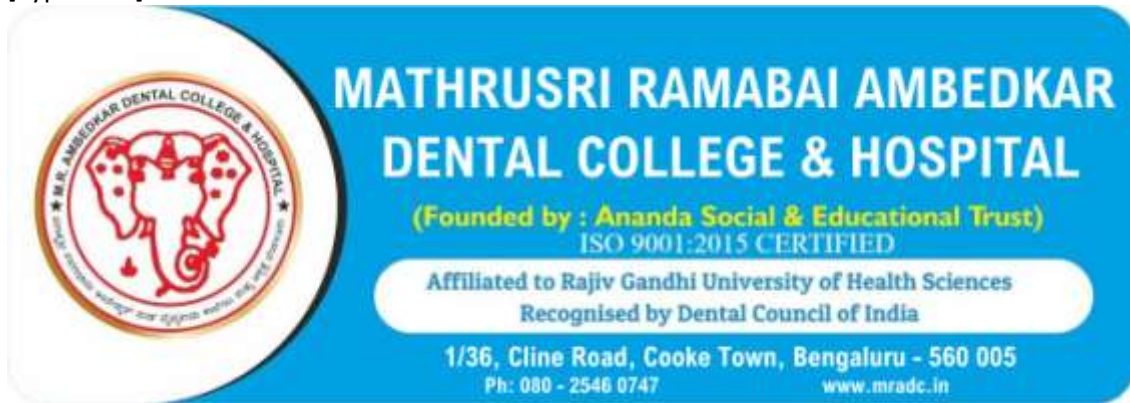
- General description of incisors – Set Traits
  - Location of mandibular incisors in the mouth
  - Functions of mandibular incisors
  - Assign a tooth number systems to mandibular incisors present in a mouth (or on a model) with complete dentition
- Studying tooth morphology
  - Class traits of most incisors from the facial, lingual, incisal and proximal views
  - Type traits that differentiate mandibular central from lateral incisors (from all views)
    - Introduction
    - Chronology
    - Crown morphology
    - Root morphology
    - Pulp morphology
- Arch traits that differentiate mandibular from maxillary incisor
- Interesting variations and ethnic differences in incisors

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**Induction time** 15 min per class

**Assessment**

- MCQs
- Exercises:
  - List class traits common to all incisors.
  - List arch traits that can be used to distinguish maxillary from mandibular incisors.
  - From a selection of all teeth, select and separate out the incisors (using class traits).
  - Divide a selection of all incisors into maxillary and mandibular (using arch traits).
  - Select and separate mandibular incisors from a selection of all teeth on a bench top.
  - Holding a mandibular incisor, determine whether it is a central or a lateral and right or left. Then assign a tooth number to it using different notation systems.



**Conclude** Handouts  
Assignments  
Carving Demonstration – Video and Manual

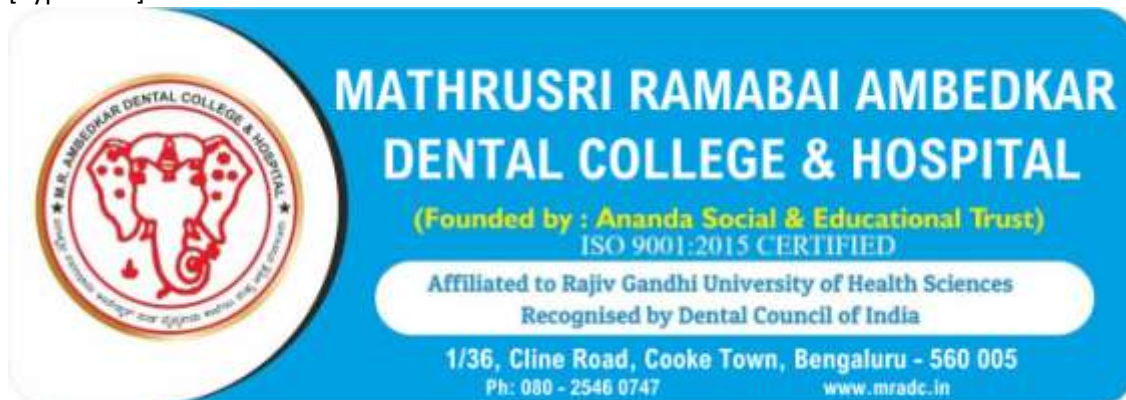
**Faculty** Dr. Deepak V.

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## ESSON PLAN

**Topic:** Permanent Canines

**Domain:** Cognitive

Psychomotor

**Training/Learning Experiences**

**Method**

**Medium**

**Class-Room**

**Practical**

**Aids**

Theory Class

Model &  
Extracted tooth  
Demonstration

AV – PPT &  
Videos

**Expected Hours** 2 hours

**Number of Classes** 02

**General Objective**

At the end of the session learner will be able to describe the morphology of maxillary and mandibular canines from all aspects and student will be able to simulate the anatomy through carving on wax block.

**Specific Learning Objective**



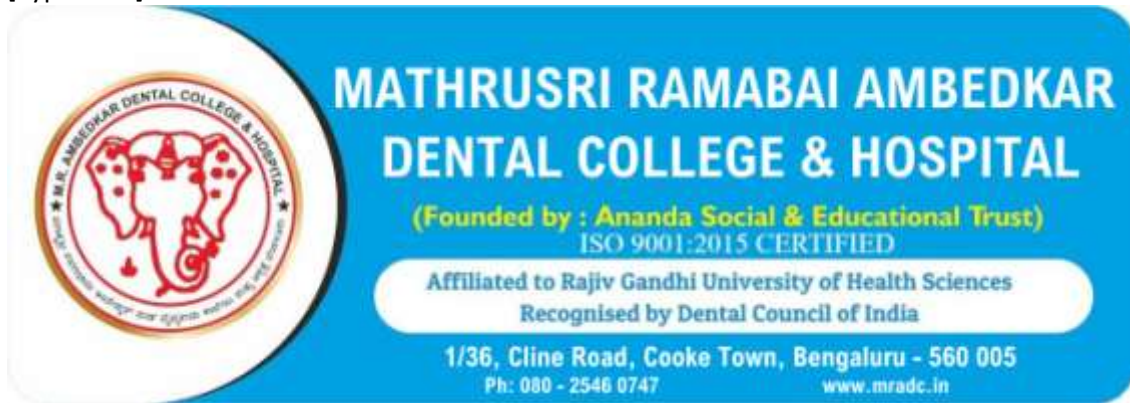
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- General description of Canines – Set Traits
  - Location of Canines in the mouth
  - Functions of Canines
  - Assign a tooth number systems to Canines present in a mouth (or on a model) with complete dentition
- Studying tooth morphology
  - Class traits of most incisors from the facial, lingual, incisal and proximal views
  - Type traits of Maxillary & Mandibular Canines (from all views)
    - Introduction
    - Chronology
    - Crown morphology

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- Root morphology
- Pulp morphology
- Arch traits that differentiate mandibular from maxillary Canines
- Interesting variations and ethnic differences in incisors

**Induction Time**

15 min per class

**Assessment**

- MCQs
- Exercises:
  - List class traits common to all Canines.
  - List arch traits that can be used to distinguish maxillary from mandibular canines.
  - From a selection of all teeth, select and separate out the canines (using class traits).
  - Divide a selection of all Canines into maxillary and mandibular (using arch traits).
  - Select and separate maxillary and mandibular Canines from a selection of all teeth on a bench top.
  - Holding a maxillary and mandibular canines, determine whether it is right or left. Then assign a tooth number to it using different notation systems.



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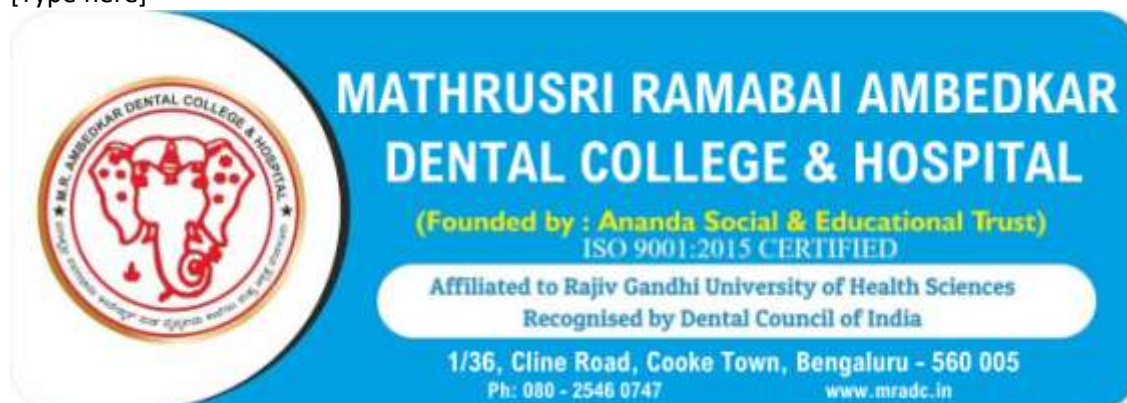
**Conclude**

Handouts  
Assignments  
Carving Demonstration – Video and Manual

**Faculty**

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## LESSON PLAN

**Topic:** Permanent Maxillary Premolars

**Domain:** Cognitive  
Psychomotor

**Training/Learning Experiences**

**Method**

**Medium**

**Class-Room**

**Practical**

**Aids**

Theory Class

Model &  
Extracted tooth  
Demonstration

AV – PPT &  
Videos

**Expected Hours** 2 hours

**Number of Classes** 02

### General Objective

At the end of the session learner will be able to describe the morphology of maxillary premolars from all aspects and student will be able to simulate the anatomy through carving on wax block.

### Specific Learning Objective

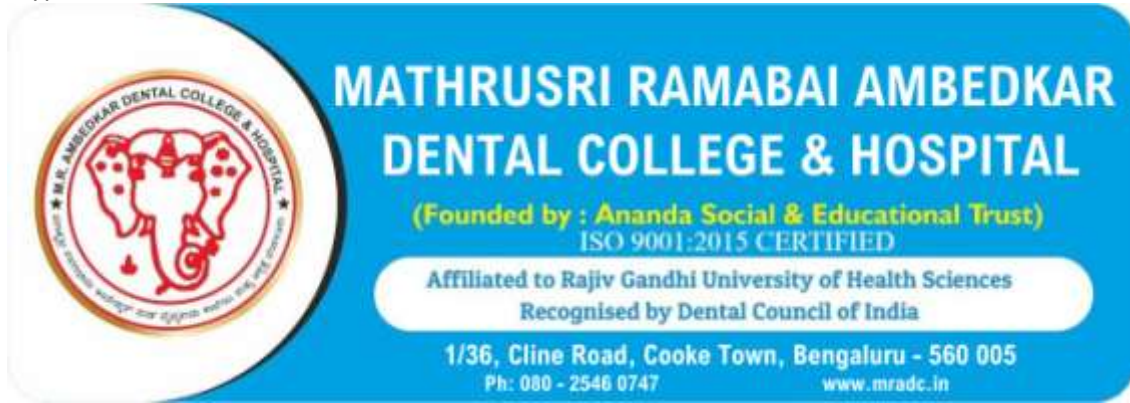


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- General description of Premolars – Set Traits
  - Location of premolars in the mouth
  - Functions of premolars
  - Assign a tooth number systems to maxillary premolars present in a mouth (or on a model) with complete dentition
- Studying tooth morphology
  - Class traits of most premolars from the facial, lingual, incisal and proximal views
  - Type traits that differentiate maxillary first from second Premolars (from all views)
    - Introduction
    - Chronology
    - Crown morphology
    - Root morphology
    - Pulp morphology
- Arch traits that differentiate mandibular from maxillary Premolars
- Interesting variations and ethnic differences in Premolars



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**Induction Time**

15 min per class

**Assessment**

- MCQs
- Exercises:
  - List class traits common to all premolars.
  - List arch traits that can be used to distinguish maxillary from mandibular premolars.
  - From a selection of all teeth, select and separate out the premolars (using class traits).
  - Divide a selection of all premolars into maxillary and mandibular (using arch traits).
  - Select and separate maxillary premolars from a selection of all teeth on a bench top.
  - Holding a maxillary premolar, determine whether it is a first or second and right or left. Then assign a tooth number to it using different notation systems.



**Conclude**

Handouts  
Assignments  
Carving Demonstration – Video and Manual

**Faculty**

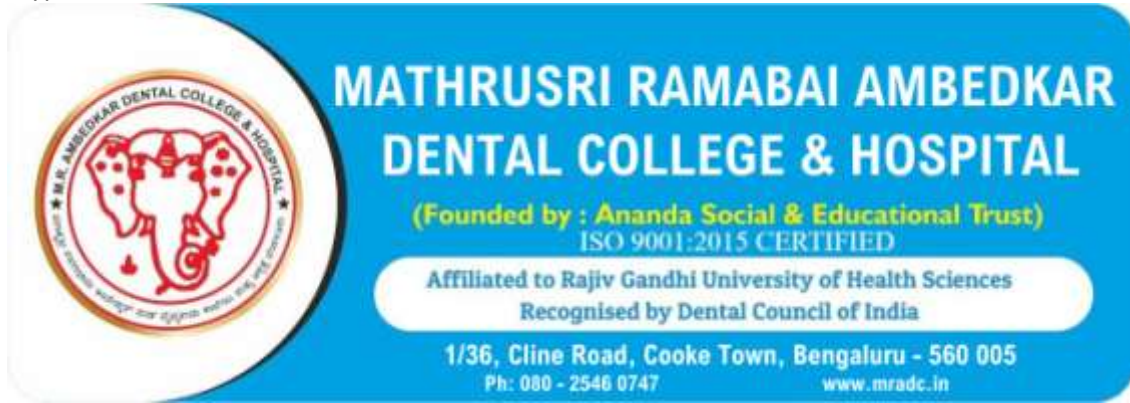
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## LESSON PLAN

**Topic:** Permanent Mandibular Premolars

**Domain:** Cognitive  
Psychomotor

**Training/Learning Experiences**

**Method**

**Medium**

**Class-Room**

**Practical**

**Aids**

Theory Class

Model &  
Extracted tooth  
Demonstration

AV – PPT &  
Videos

**Expected Hours** 2 hours

**Number of Classes** 02

### General Objective

At the end of the session learner will be able to describe the morphology of mandibular premolars from all aspects and student will be able to simulate the anatomy through carving on wax block.

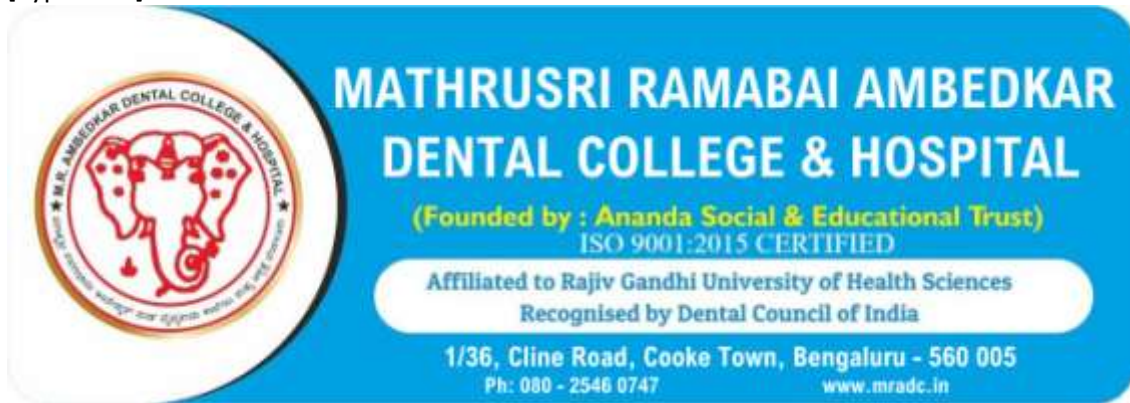
### Specific Learning Objective

- General description of Premolars – Set Traits
  - Location of mandibular premolars in the mouth
  - Functions of mandibular premolars
  - Assign a tooth number systems to mandibular premolars present in a mouth (or on a model) with complete dentition
- Studying tooth morphology
  - Class traits of most premolars from the facial, lingual, incisal and proximal views
  - Type traits that differentiate mandibular first from second Premolars (from all views)
    - Introduction
    - Chronology
    - Crown morphology
    - Root morphology
    - Pulp morphology
- Arch traits that differentiate mandibular from maxillary Premolars
- Interesting variations and ethnic differences in mandibular



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## Premolars

<b>Induction Time</b>	15 min per class	<b>Assessment</b>	<ul style="list-style-type: none"><li>• MCQs</li><li>• Exercises:<ul style="list-style-type: none"><li>• List class traits common to all premolars.</li><li>• List arch traits that can be used to distinguish maxillary from mandibular premolars.</li><li>• From a selection of all teeth, select and separate out the premolars (using class traits).</li><li>• Divide a selection of all premolars into maxillary and mandibular (using arch traits).</li><li>• Select and separate mandibular premolars from a selection of all teeth on a bench top.</li><li>• Holding a mandibular premolar, determine whether it is a first or second and right or left. Then assign a tooth number to it using different notation systems.</li></ul></li></ul>
<b>Conclude</b>	Handouts Assignments Carving Demonstration – Video and Manual		
<b>Faculty</b>	Dr. Deepak V.		

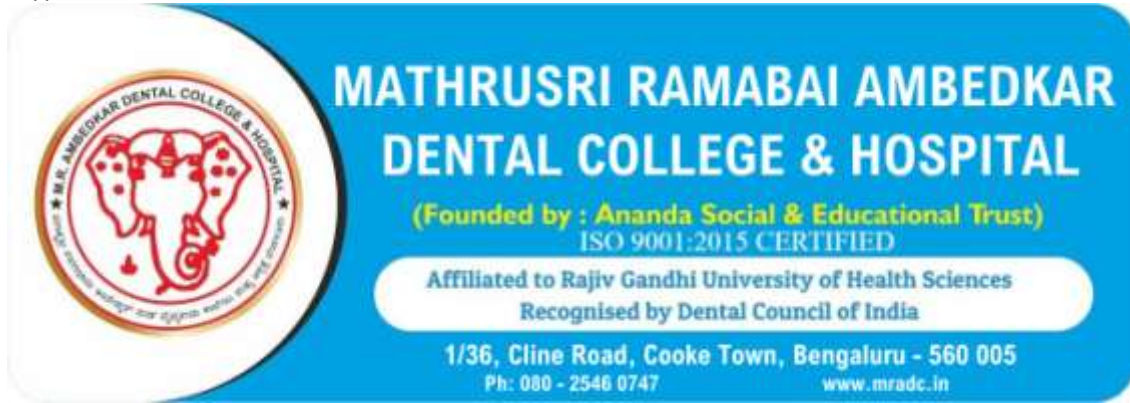


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## LESSON PLAN

**Topic:** Permanent Maxillary Molars

**Domain:** Cognitive  
Psychomotor

**Training/Learning Experiences**

**Method**

**Medium**

**Class-Room**

**Practical**

**Aids**

Theory Class

Model &  
Extracted tooth  
Demonstration

AV – PPT &  
Videos

**Expected Hours** 3 hours

**Number of Classes** 03

**General Objective**

At the end of the session learner will be able to describe the morphology of maxillary molars from all aspects and student will be able to simulate the anatomy through carving on wax block.

**Specific Learning Objective**

- General description of molars – Set Traits
  - Location of molars in the mouth
  - Functions of molars
  - Assign a tooth number systems to maxillary molars present in a mouth (or on a model) with complete dentition
- Studying tooth morphology
  - Class traits of most molars from the facial, lingual, incisal and proximal views
  - Type traits that differentiate maxillary first from second molars (from all views)
    - Introduction
    - Chronology
    - Crown morphology
    - Root morphology
    - Pulp morphology
- Arch traits that differentiate mandibular from maxillary molars
- Interesting variations and ethnic differences in molars

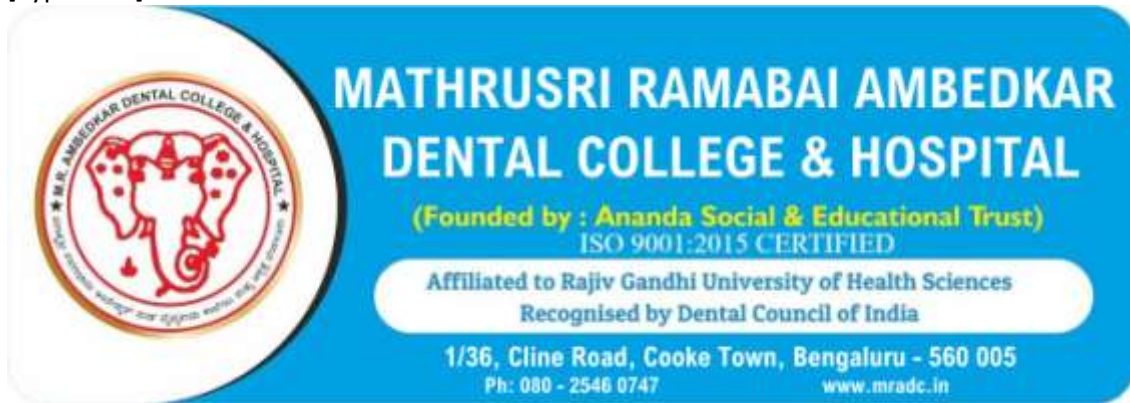


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- Morphology in brief of Third Molars

## Induction Time

15 min per class

## Assessment

- MCQs
- Exercises:
  - List class traits common to all molars.
  - List arch traits that can be used to distinguish maxillary from mandibular molars.
  - From a selection of all teeth, select and separate out the molars (using class traits).
  - Divide a selection of all molars into maxillary and mandibular (using arch traits).
  - Select and separate maxillary molars from a selection of all teeth on a bench top.
  - Holding a maxillary molar, determine whether it is a first or second and right or left. Then assign a tooth number to it using different notation systems.



## Conclude

Handouts  
Assignments  
Carving Demonstration – Video and Manual

## Faculty

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## LESSON PLAN

**Topic:** Permanent Mandibular Molars

**Domain:** Cognitive  
Psychomotor

**Training/Learning Experiences**

**Method**

**Medium**

**Class-Room**

**Practical**

**Aids**

Theory Class

Model &  
Extracted tooth  
Demonstration

AV – PPT &  
Videos

**Expected Hours** 2 hours

**Number of Classes** 02

**General Objective**

At the end of the session learner will be able to describe the morphology of mandibular molars from all aspects and student will be able to simulate the anatomy through carving on wax block.

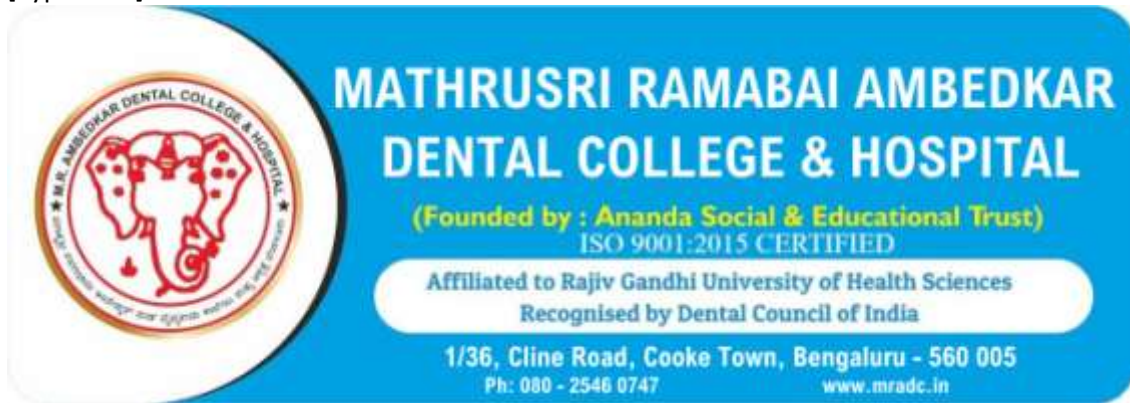
**Specific Learning Objective**



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- General description of molars – Set Traits
  - Location of mandibular molars in the mouth
  - Functions of mandibular molars
  - Assign a tooth number systems to mandibular molars present in a mouth (or on a model) with complete dentition
- Studying tooth morphology
  - Class traits of most molars from the facial, lingual, incisal and proximal views
  - Type traits that differentiate mandibular first from second molars (from all views)
    - Introduction
    - Chronology
    - Crown morphology
    - Root morphology
    - Pulp morphology
- Arch traits that differentiate mandibular from maxillary molars
- Interesting variations and ethnic differences in mandibular molars

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- Morphology in brief of Third Molars

**Induction Time**

15 min per class

**Assessment**

- MCQs
- Exercises:
  - List class traits common to all molars.
  - List arch traits that can be used to distinguish maxillary from mandibular molar.
  - From a selection of all teeth, select and separate out the molars (using class traits).
  - Divide a selection of all molars into maxillary and mandibular (using arch traits).
  - Select and separate mandibular molars from a selection of all teeth on a bench top.
  - Holding a mandibular molar, determine whether it is a first or second and right or left. Then assign a tooth number to it using different notation systems.



**Conclude**

Handouts  
Assignments  
Carving Demonstration – Video and Manual

**Faculty**

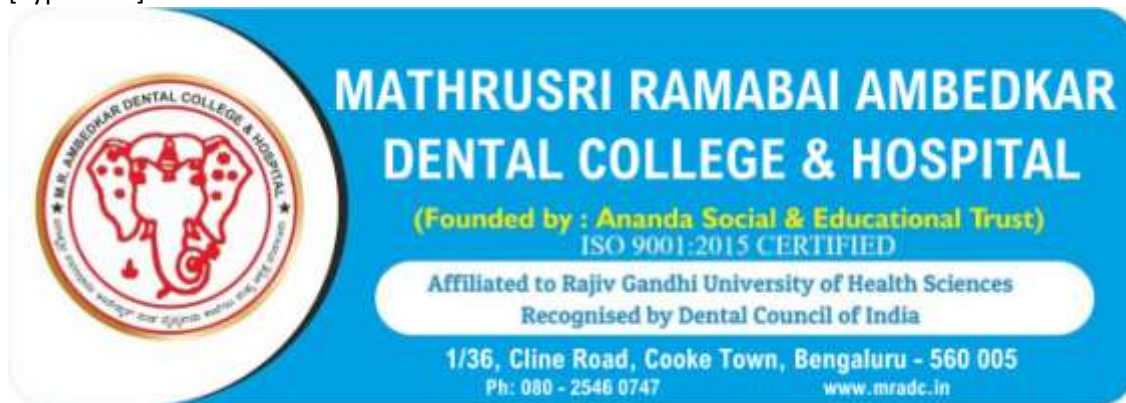
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## LESSON PLAN

**Topic:** Introduction to Oral Pathology

**Domain:** Cognitive

**Training/Learning Experiences**

Psychomotor

**Method**

**Medium**

**Class-Room**

**Practical**

**Aids**

Theory Class

Demonstration

AV – PPT &  
Videos

**Expected Hours** 2 hours

**Number of Classes** 02

**General Objective**



At the end of the session learner will be able to understand the terms and terminologies used in pathology. Able to understand pathology as scientific study of disease, subdivisions of pathology and techniques used in pathology. The student should be able to describe techniques in pathology, and the working of a pathology laboratory.

Knowledge of the etiology, epidemiology, pathophysiology, and histopathology of pathologic processes as they relate to examination,

evaluation, treatment, and prognosis of the patient will be learned. The scope of pathology that affects the oral and maxillofacial region will be explored, including developmental anomalies; reactive, inflammatory, and infectious conditions; immunologic disorders; neoplasia; and oral

manifestations of systemic and genetic diseases. Emphasis is placed on formulating differential diagnoses and clinical-pathological correlation.

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**Specific Learning Objective**

- Definitions and Nomenclature in Oral Pathology
- Fundamental concepts of oral and maxillofacial pathology
- Describe different pathological problems involving the oral cavity and oral manifestations of systemic diseases
- Explain microbiological and immunological concepts governing the human host-parasite relationship.
- Identify characteristics of common pathogens, and describe how these pathogens are identified and treated.
- Describe the various structural and functional changes that occur in cells, tissues and organs as a result of pathologic processes.
- Describe the molecular, microbiologic and immunologic techniques that the pathologist uses to analyze these changes.
- Recognize and understand the pathogenesis of developmental, inflammatory, neoplastic, systemic and degenerative diseases.
- Explain the components and relationship of etiologic and epidemiologic factors related to pathologic principles.
- Demonstrate the knowledge, judgment, and skill required to appropriately recognize clinical pathologic lesions.
- Critically evaluate relevant scientific literature based on their understanding of microbiological, immunological and pathological concepts

**Induction Time**

15 min per class

**Assessment**

MCQs

Chart Evaluation

**Conclude**

Handouts

Assignments



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## LESSON PLAN

**Topic:** Forensic Odontology

**Domain:** Cognitive

Psychomotor

**Training/Learning Experiences**

**Method**

**Medium**

**Class-Room**

**Practical**

**Aids**

Theory Class

Demonstration

AV – PPT & Videos

**Expected Hours** 4 hours

**Number of Classes** 04

### General Objective

At the end of the session learner will be able acquainted to field of forensic dentistry and help prepare the student to respond to the possibility of mass fatality incidents in their practice areas.

### Specific Learning Objective

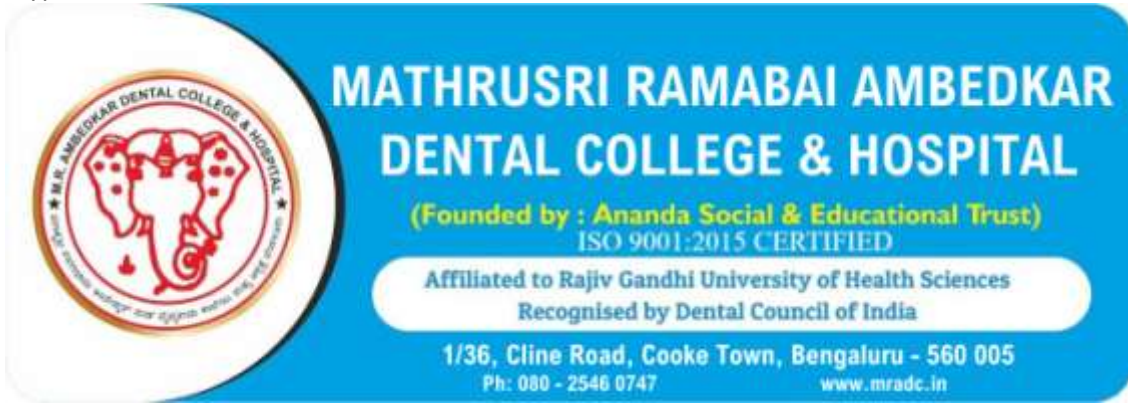


- Definitions and Nomenclature in Forensic Odontology
- Discuss the history of a dentist's role in forensic science.
- Discuss the laws and regulatory bodies that impact forensic dentistry.
- Personal identification
  - Dental identification
    - Age Estimation
    - Sex Identification
    - Race Prediction
    - Stature Estimation
- Palatal rugae patterns

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- Lip prints.
- Bite marks: classification, appearance, investigations, analysis, comparison and conclusion
- Identification from dental DNA, Dental profiling, sex identification from craniofacial morphology and dimensions and by DNA analysis
- Identification in disasters

**Induction Time** 15 min per class

**Assessment** MCQs

Exercises:

The student will be able to:

1. Describe the forensic dentistry workup of a deceased individual, including conclusive and circumstantial evidence.
2. Explain the role of a general dentist's records in identifying a deceased individual, including the identification of abuse.
3. Identify resources available for forensic dentistry guidelines.
4. Explain the role of a dentist in mass fatalities, including bioterrorism events



**Conclude** Handouts

Assignments

**Faculty** Dr. Deepak V.

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## LESSON PLAN

**Topic:** Developmental Disturbances of Oral and Paraoral structures

**Domain:** Cognitive  
Psychomotor

**Training/Learning Experiences**

**Method**

**Medium**

**Class-Room**

**Practical**

**Aids**

Theory Class

Demonstration

AV – PPT &  
Videos

**Expected Hours** 20 hours

**Number of Classes** 20

### General Objective

At the end of the session learner will be able to

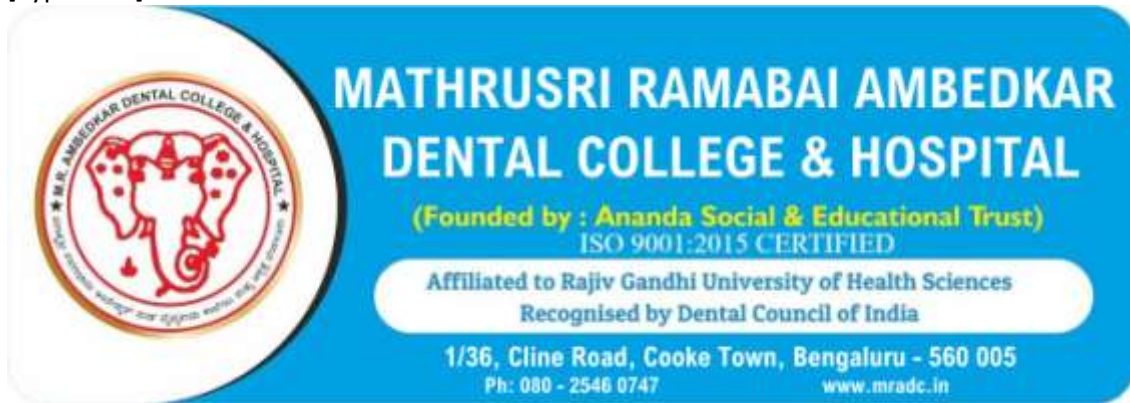
- Describe the importance of developmental disturbances
- Describe etiology, clinical features, radiology, histopathology of developmental disturbances of teeth
- Describe developmental disturbances of jaws
- Describe developmental disturbances of oral soft tissue of paraoral tissues.



### Specific Learning Objective

- Introduction & Classification
- Developmental disturbances in size of teeth
  - Describe the types of anomalies associated with the teeth sizes.
  - Describe the most common site for these teeth.
  - Describe the syndromes associated with these disturbances
- Developmental disturbances in number of teeth
  - Classify the disturbances associated with the number of teeth.
  - Explain the etiological factors associated with these anomalies.

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- Describe the clinical features of these anomalies.
- Disturbances in eruption of teeth
  - Classify the disturbances associated with the eruption of teeth.
  - Describe the most common teeth associated with these types.
  - Describe the etiological factors associated with these teeth.
  - Explain the complications of delayed eruption.
  - Understand the eruption sequestrum and its etiology.
- Disturbances in Shape of teeth
  - Enlist the disturbances associated with the shape of teeth.
  - Illustrate the most common teeth involved in each anomaly.
  - Know the syndromes associated in each anomaly.
  - Understand the treatment and complications linked with each anomaly.
- Enamel Defects
  - Differentiate among the acquired and hereditary enamel defects.
    - Enlist the etiological factors involved in acquired enamel defects.
    - Classify the amelogenesis imperfecta (Witkop classification)
    - Explain their clinical features i.e. appearance, severity and color of involved teeth
    - Classify the fluorosis.
- Dentine Defects
  - Classify the dentine defects.
  - Classify the Dentinogenesis imperfecta and dentine dysplasia
  - Categorized Dentinogenesis imperfecta and dentine dysplasia.
  - Know the clinical features, radiographic features and histopathological features of dentine defects.
  - Know how to differentiate among these lesions on the basis of clinical, radiographic and histopathological features.
- Soft Tissue Anomalies
  - Distinguish the different soft tissue disturbances.
  - Recognize the etiological agents for the development of soft

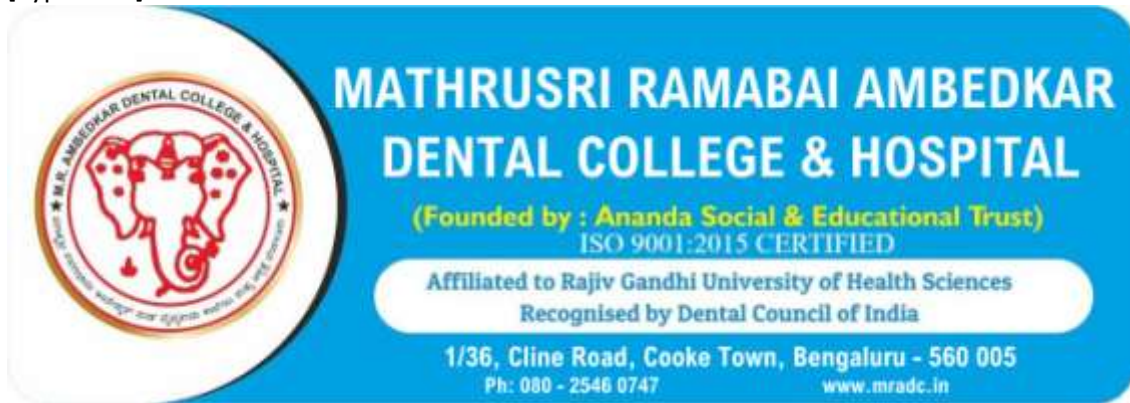


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tissue disturbances.

- Understand the clinical feature and histopathological features of each anomalies.
- Differentiate among the similar anomalies on the basis of clinical and histopathological features.
- Developmental disturbances of soft tissues: Lip, palate, oral mucosa, gingival, tongue and salivary glands
- Create differential diagnosis of soft tissue disturbances.
- Developmental disturbances of oral lymphoid tissue
- Fissural (inclusion) cysts of oral region
- Syndromes
  - Learn the mutation involved in each syndrome along with their gene maps.
  - Learn the clinical features of syndromes.
  - Sub-classify the syndromes.
  - Describe the oral manifestation involved in each syndrome.

**Induction Time** 15 min per class

**Assessment** MCQs

Exercises:

- Identify the cast and tooth specimens
- Draw the diagrams in records and able to identify the anomalies
- Project work submission

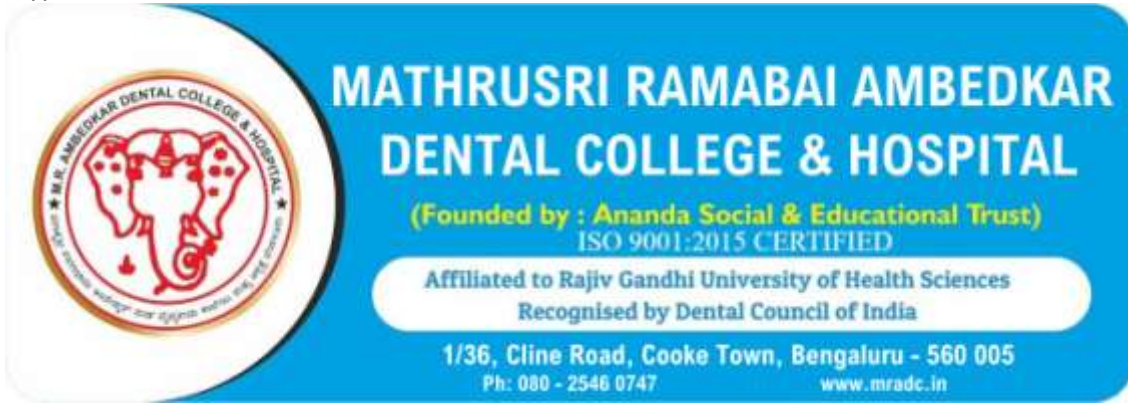
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**Conclude** Handouts  
Assignments

**Faculty** Dr. Deepak V.

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## LESSON PLAN

**Topic:** Physical & Chemical Injuries

**Domain:** Cognitive  
Psychomotor

**Training/Learning Experiences**  
**Method**

Class-Room	Practical	Media
Theory Class	Demonstration	AV – PPT & Video

**Expected Hours** 6 hours

**Number of Classes** 6

**General Objective**

At the end of the session learner will be able to

- Describe the classification of Physical & Chemical Injuries
- Describe etiology, clinical features, radiology, histopathology of Physical & Chemical Injuries.

**Specific Learning Objective**

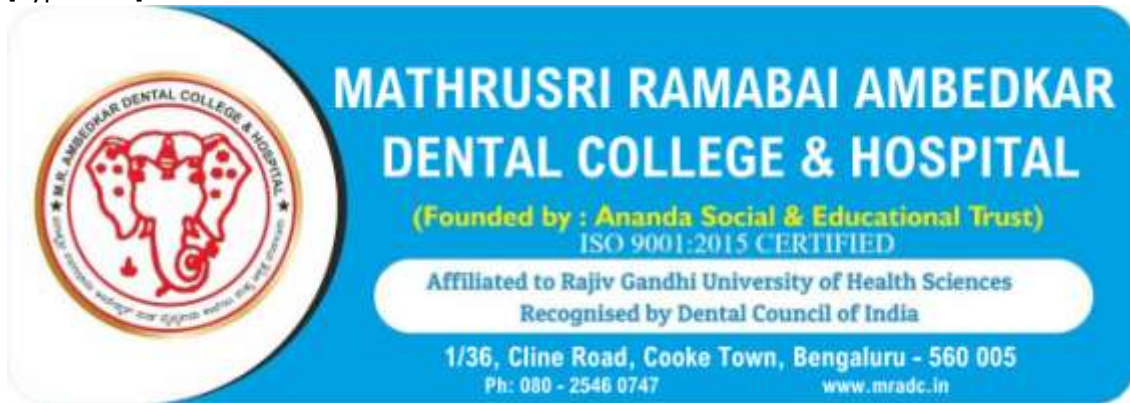
- Physical Injuries
  - Describe physical injuries associated with teeth
  - Differentiate clinically, Attrition, Abrasion and Erosion.
  - Describe concept of resorption and differentiate between its types.
- Physical Injuries Related to Soft Tissues
  - Physical injuries related to gingiva & buccal mucosa.
  - Describe lesions associated with tongue like traumatic atrophic glossitis, benign migratory glossitis, hairy tongue, fissured tongue, traumatic ulceration of oral mucosa (eosinophilic granuloma)
  - Linea alba, denture sore mouth, epulis fissuratum, mucocele, ranula, sialolithiasis
  - Differential diagnosis.
- Mucosal Tissue Injuries
  - Describe mucosal tissue injuries like Factitious Injuries, Denture Injuries,



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Electrical Burns, Thermal Burns

- Distinguish the clinical features of these injuries
- Differential diagnosis.
- Radiation Injuries
  - Describe mucosal tissue injuries like Radiation Mucositis, Xerostomia, Radiation Caries, Osteoradionecrosis and Soft Tissue Radiation Injuries
  - Distinguish the clinical features of these injuries
  - Differential diagnosis.
- Chemical Injuries
  - Describe chemical injuries associated with teeth, gingiva and oral mucosa
  - Distinguish the clinical features of these injuries
  - Plumbism, Mercury poisoning, Argyria, Effects of tetracycline
  - Differential diagnosis.
- Traumatic cyst, Bruxism, Tooth ankylosis,
  - Reactions to preparation of teeth for restorative procedures, high speed instrumentation for cavity and crown preparation, restorative materials, direct adhesive and non-adhesive restorations, indirect restorations, bacteria at tooth restoration interface and microleakage.
- Effects of orthodontic tooth movement and burns.
- Nonallergic local reactions to drugs and chemicals
- Effects of cancer chemotherapeutic agents.



**Induction Time** 15 min per class

**Assessment** MCQs

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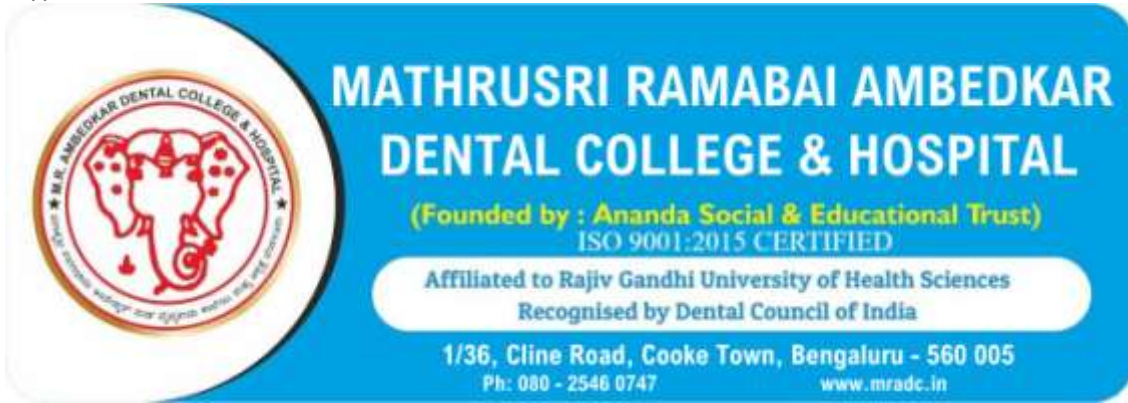
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**Conclude** Handouts  
Assignments

**Faculty** Dr. Deepak V.



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## LESSON PLAN

**Topic:**

Diseases of Blood and Blood forming organs

**Domain:**

Cognitive

**Training/Learning Exp**

Psychomotor

**Method**

**Class-Room**

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Theory Class

**Expected Hours**

5 hours

**Number of Classes**

**General Objective**

At the end of the session learner will be able to

- Describe the classification of Diseases of Blood and Blood forming organs.
- Describe etiology, clinical features, histopathology of

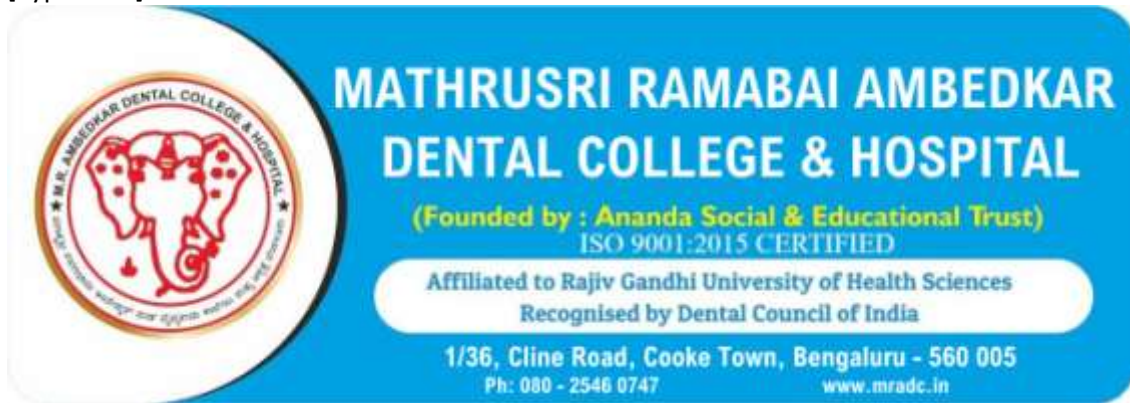
Diseases of Blood and Blood forming organs.

**Specific Learning Objective**

- Introduction
- Red Blood Cells
  - Describe diseases associated with RBC
    - Anemias: Iron deficiency anemia, thalassemia, sickle cell anemia, pernicious anemia, erythroblastosis foetalis
    - Polycythemia vera
- Explain its types, their clinical features and manifestation



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- White Blood Cells
  - Describe diseases associated with WB Agranulocytosis, Cyclic Neutropenia
  - Explain its types, their clinical features and manifestation
- Neoplasms
  - Describe neoplasm related to blood cells Lymphomas, multiple myeloma.
  - Understand the etiological factors associated with these disorders
  - Explain its types, their clinical features and manifestation
- Bleeding Disorders
  - Describe bleeding disorder like Thrombocytopenia, Haemophilia etc
  - Describe its types, their clinical features and manifestation

**Induction Time**

15 min  
per class

**Assessment**

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**Conclude**

Handouts

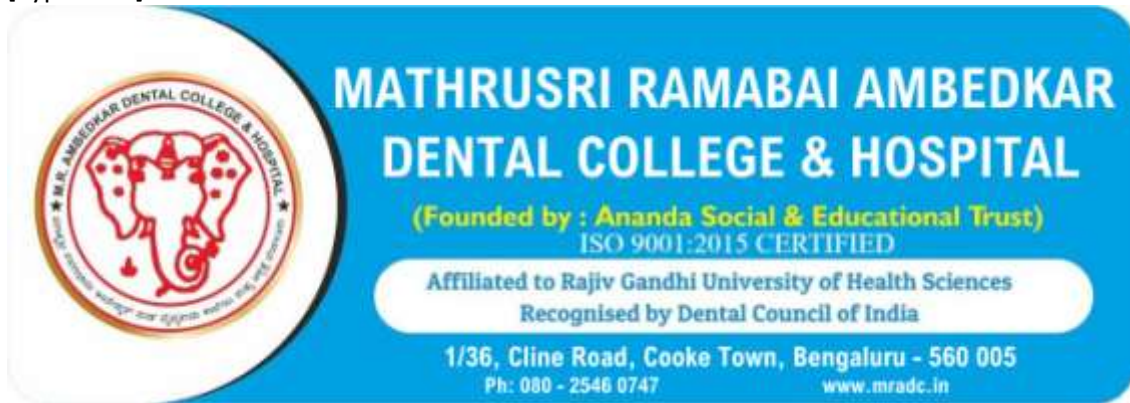
Assignments



**Faculty**

Dr. Deepak V.

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## Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:classification of dental caries**

**General objective-**At the end of the session learner will know classification of dental caries  
**Specific learning objective-**

- 1.) Classification of dental caries
- 2) Zones of dental caries

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn classification of dental caries	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment



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### Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic: histopathology and immunology**

**General objective-**At the end of the session learner will know about histopathology and immunology

**Specific learning objective-**

- 1.) Histopathology
- 2.) Immunology



**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about histopathology and immunology	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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### Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic: caries activity test and factors influencing dental caries**

**General objective-**At the end of the session learner will know about caries activity test and caries activity test

**Specific learning objective-**

- 1.) Caries activity test
- 2.) Caries activity test

**Induction time-30 to 40 min.**

Objective	Method/medium	Assessment	Time
To make the student learn about caries activity test and caries activity test	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment



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### Lesson plan

Class - 3<sup>RD</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

**Topic:cellulitis , ludwigs angina and intra cranial complications of dental infections.**

**General objective-**At the end of the session learner will know about cellulitis, ludwigs angina and intra cranial complications of dental infections

**Specific learning objective-**

- 1.) Cellulitis ,ludwigs angina
- 2) Intra cranial complications of dental infections



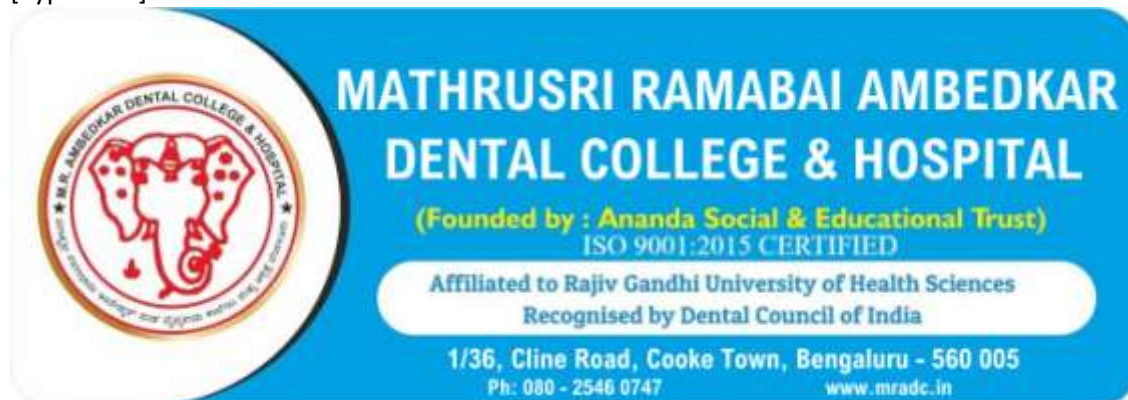
**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about cellulitis , ludwigs angina and intra cranial complications of dental infections	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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### Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic: maxillary sinusitis, focal infection and foci of infection.**

**General objective-**At the end of the session learner about: maxillary sinusitis, focal infection and foci of infection

**Specific learning objective-**

- 1.) : maxillary sinusitis,
- 2.) focal infection and foci of infection

**Induction time-30 to 40 min.**

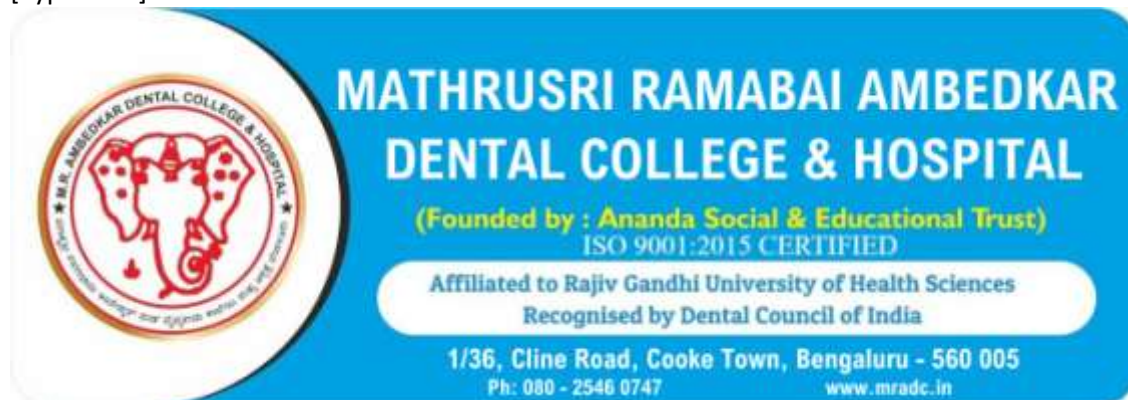


Objective	Method/medium	Assessment	Time
To make the student learn about maxillary sinusitis, focal infection and foci of infection	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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### Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:factors affecting.**

**General objective-**At the end of the session learner will know about :maxillary sinusitis, focal infection and foci of infection

**Specific learning objective-**

- 1.) : maxillary sinusitis,
- 2.) focal infection and foci of infection

**Induction time-30 to 40 min.**

Objective	Method/medium	Assessment	Time
To make the student learn about maxillary sinusitis, focal infection and foci of infection	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment



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## LESSON PLAN

**CLASS:** 1st BDS

**DOMAIN:** Cognitive

**Time:** 1 hour

**Topic:** Enamel - Introduction, Physical characteristics, chemical properties

**General Objectives:** At the end of the session, learners will be able to discuss Enamel based on its physical and chemical properties

### Specific Learning Objectives:

1. Physical characteristics of Enamel
2. Chemical properties of Enamel



**Induction Time:** 30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn about Enamel and its basic physical and chemical properties	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment

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## LESSON PLAN

**CLASS: 1st BDS DOMAIN: Cognitive**

**Time: 1 hour**

**Topic: Enamel** - structure - Enamel rods, striations, gnarled enamel, H S bands

**General Objectives: At** the end of the session learners will be able to describe different structures of enamel such as enamel rods, striations, gnarled enamel, H S bands seen in ground sections of enamel.

**Specific Learning Objectives:**

1. Enamel rods - structure, striations, directions and its importance
2. Gnarled enamel - location and histological appearance
3. H S bands - dark and light bands and its importance

**Induction Time: 30- 40 min**

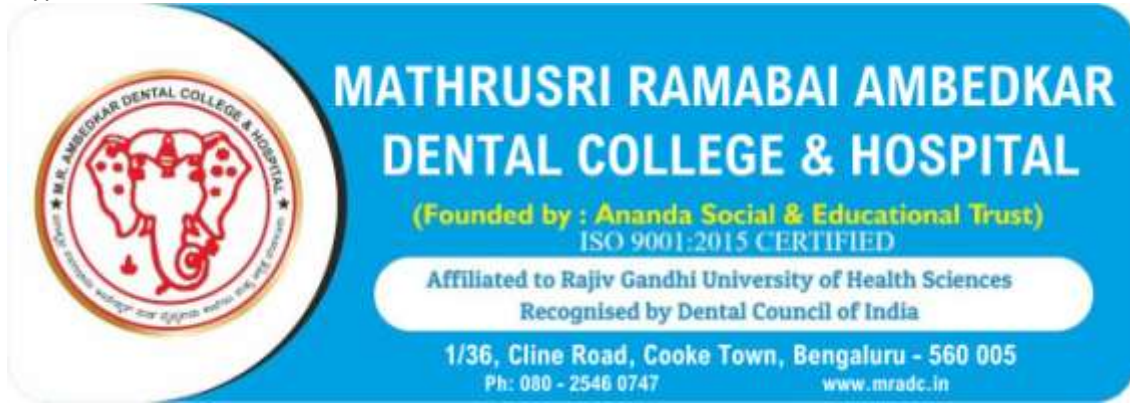
Objective	Method/medium	Assessment	Time
To make the student learn about various structures of Enamel in detail	-lecture -AV Aids	Questionnaire	10 min

**Conclude:** Assignment



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**CLASS: 1st BDS**

**DOMAIN: Cognitive**

**Time: 1 hour**

**Topic: Enamel-** Incremental lines, Enamel lamellae

**General Objectives:** At the end of the session learners will be able to describe different structures of enamel such as Incremental lines and Enamel lamellae

**Specific Learning Objectives:**

1. Incremental lines of Retzius
2. Enamel lamellae types

**Induction Time: 30- 40 min**

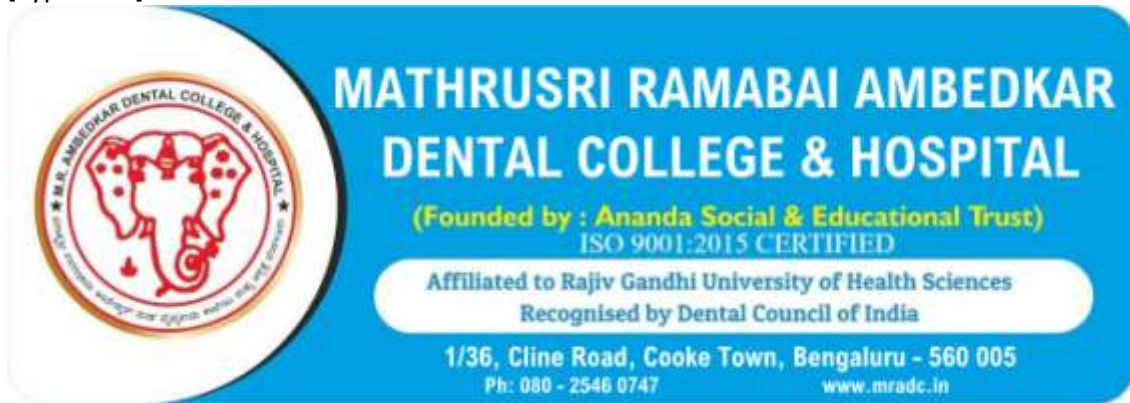
Objective	Method/medium	Assessment	Time
To make the student learn about various structures of Enamel in detail	-lecture -AV Aids	Questionnaire	10 min

**Conclude:** Assignment



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**CLASS: 1st BDS**

**DOMAIN: Cognitive**

**Time: 1 hour**

**Topic: Enamel-** EnamelTufts, Surface structures of Enamel, Neonatal line

**General Objectives: At** the end of the session learners will be able to describe different structures of enamel such as EnamelTufts, Surface structures of Enamel of perikymata , rod ends , enamel cracks and Neonatal line

**Specific Learning Objectives:**

1. Enamel tufts
2. Surface structures - perikymata , rod ends , enamel cracks
2. Neonatal line

**Induction Time: 30- 40 min**

Objective	Method/medium	Assessment	Time
To make the student learn about various structures of Enamel in detail	-lecture -AV Aids	Questionnaire	10 min

**Conclude: Assignment**



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**CLASS: 1st BDS**

**DOMAIN: Cognitive**

**Time: 1 hour**

**Topic: Enamel** - Enamel Cuticle, DEJ, Enamel Spindles

**General Objectives:** At the end of the session learners will be able to describe different structures of enamel such as Enamel Cuticle, DEJ and Enamel Spindles

**Specific Learning Objectives:**

1. Enamel Cuticle
2. Dentino Enamel Junction
3. Enamel Spindles

**Induction Time: 30- 40 min**



Objective	Method/medium	Assessment	Time
To make the student learn about various structures of Enamel in detail	-lecture -AV Aids	Questionnaire	10 min

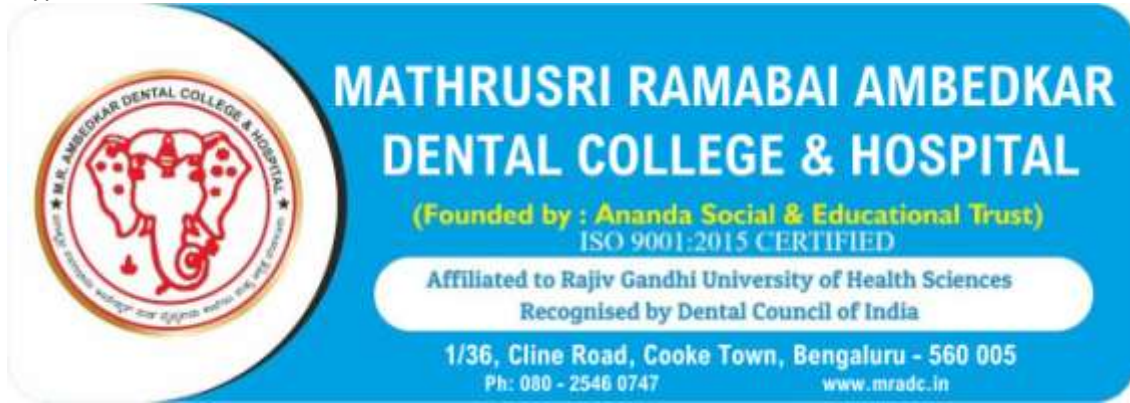
**Conclude :** Assignment

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**CLASS: 1stBDSDOMAIN: Cognitive**

**Time: 1 hour**

**Topic: Development of Enamel and Life cycle of Ameloblasts**

**General Objectives: At** the end of the session learners will be able to describe Development of Enamel and stages in the Life Cycle of Ameloblasts

**Specific Learning Objectives:**

1. Discuss stages in life cycle of Ameloblasts
2. Development of Enamel

**Induction Time: 30- 40 min**

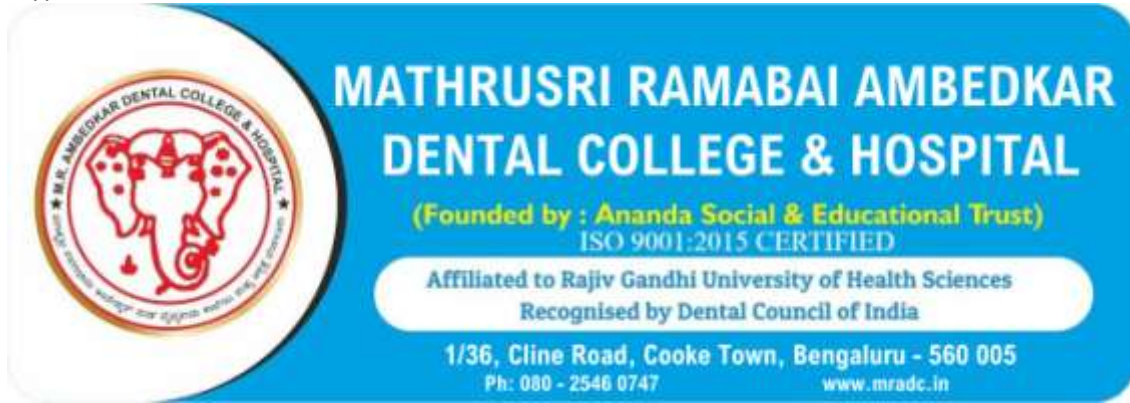
Objective	Method/medium	Assessment	Time
To make the student learn about stages in life cycle of Ameloblasts	-lecture -AV Aids	Questionnaire	10 min

**Conclude: Assignment**



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**CLASS: 1st BDS DOMAIN : Cognitive**

**Time: 1 hour**

**Topic: Amelogenesis and Mineralisation**

**General Objectives:** At the end of the session learners will be able to describe amelogenesis in detail and mineralisation of enamel matrix.

**Specific Learning Objectives:**

1. Amelogenesis
2. Mineralisation of enamel matrix



**Induction Time: 30- 40 min**

Objective	Method/medium	Assessment	Time
To make the student learn about process of matrix formation and mineralization of Enamel	-lecture -AV Aids	Questionnaire	10 min

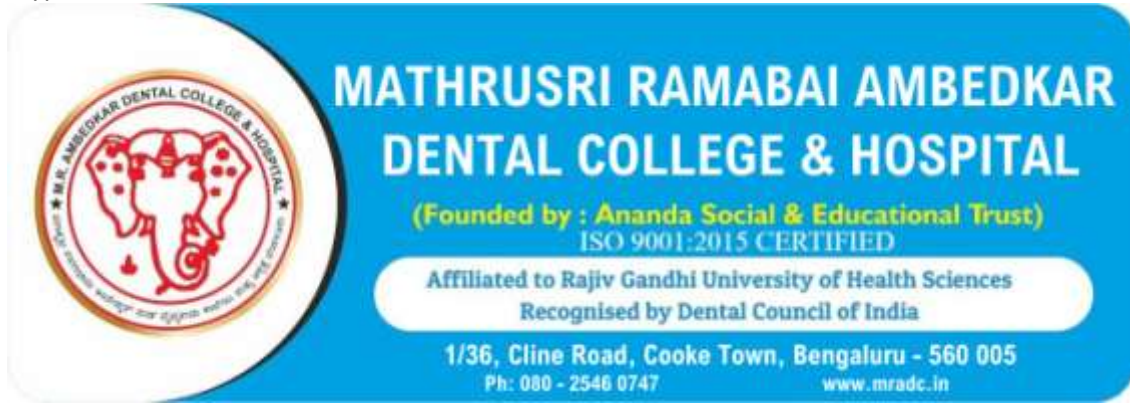
**Conclude:** Assignment

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**CLASS: 1st BDS DOMAIN: Cognitive**

**Time: 1 hour**

**Topic: Enamel** - Clinical considerations and Age changes

**General Objectives:** At the end of the session learners will be able to discuss age related changes in Enamel and importance of Structure of Enamel in clinical dentistry.

**Specific Learning Objectives:**

1. Clinical considerations of Enamel
2. Age related changes



**Induction Time: 30- 40 min**

Objective	Method/medium	Assessment	Time
To make the student learn about Enamel and its importance in clinical dentistry.	-lecture -AV Aids	Questionnaire	10 min

**Conclude:** Assignment

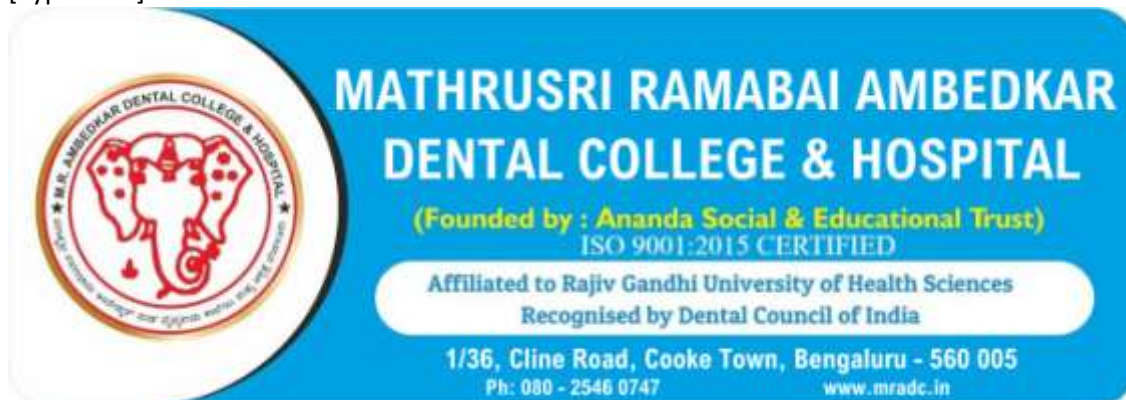
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**CLASS :1<sup>st</sup> BDS DOMAIN : Cognitive**

**Time : 1 hour**

**Topic :Cementum** - Introduction , Physical characteristics , chemical properties

**General Objectives :**At the end of the session learners will be able to discuss Physical characteristics and chemical properties of cementum

**Specific Learning Objectives :**

1. Physical characteristics of cementum
2. chemical properties of cementum

**Induction Time :30- 40 min**

Objective	Method/medium	Assessment	Time
To make the student learn about cementum and its basic physical and chemical properties	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



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**CLASS :1<sup>st</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**Cementum - struture of cementum , cementocytes

**General Objectives :**At the end of the session learners will be able to describe different types of cementum based on presence or absence of cells, types of fibres and presence or absence of fibres and also in detail about cementocytes

**Specific Learning Objectives :**

1. Types of cementum in detail
2. Difference between cellular and acellularcementum
3. Cementocytes structure in detail

**Induction Time :**30- 40 min

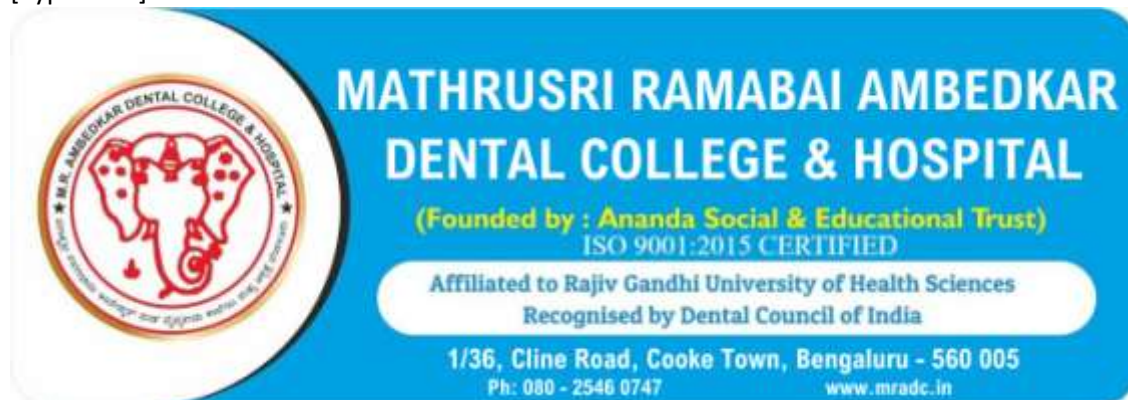
Objective	Method/medium	Assessment	Time
To make the student learn about different types of cementum based on various factors and also about cementocytes	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



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**CLASS :1<sup>st</sup>BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :Cementum** - Cemento Enamel Junction types , Cemento Dentinal Junction, Functions

**General Objectives :**At the end of the session learners will be able to describe types of junctions between cementum and enamel and describe the junction of cementum and dentin and also functions of cementum in detail

**Specific Learning Objectives :**

1. Types of CEJ
2. CDJ
3. Functions of cementum



**Induction Time :30- 40 min**

Objective	Method/medium	Assessment	Time
To make the student learn various types CEJ and also about role of cementum in detail in tooth apparatus	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment

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**CLASS :1<sup>st</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :Cementogenesis**

**General Objectives :**At the end of the session learners will be able to discuss formation of different types of cementum in detail

**Specific Learning Objectives :**

1. Cementoblasts
2. Stages in cementogenesis



**Induction Time :30- 40 min**

Objective	Method/medium	Assessment	Time
To make the student learn about synthesis of cementum in detail and also about cells responsible for its formation .	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment

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**CLASS :1<sup>st</sup>BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :Cementum** - age changes and clinical consideraions

**General Objectives :**At the end of the session learners will be able to discuss age related changes in cementum and importance of Structure of Enamel in clinical dentistry

**Specific Learning Objectives :**

1. Clinical considerations of cementum
2. Age related changes



**Induction Time :30- 40 min**

Objective	Method/medium	Assessment	Time
To make the student learn about Clinical considerations of cementum and associated age related changes	-lecture -AV Aids	Questionnaire	10 min

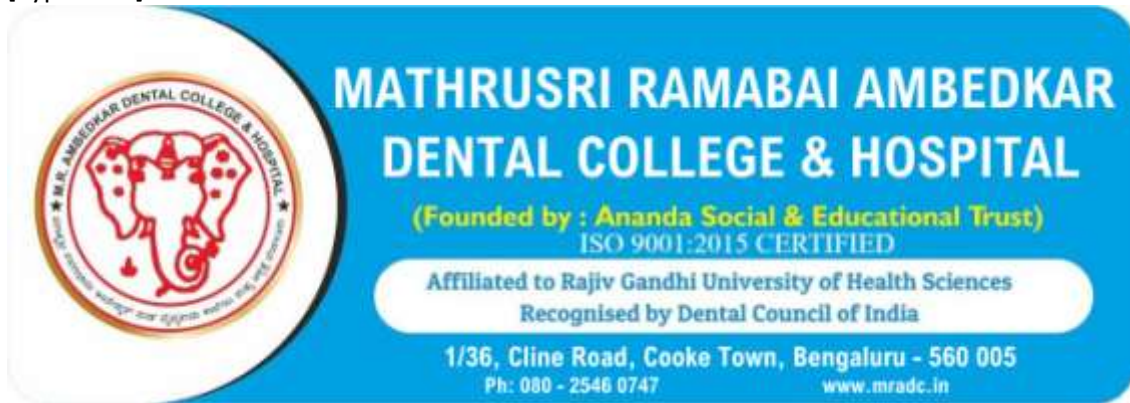
**Conclude :** Assignment

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**CLASS :1<sup>st</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**Maxillary sinus - Introduction , structure

**General Objectives :**At the end of the session learners will be able to describe synonym , anatomical structure of maxillary sinus

**Specific Learning Objectives :**

1. Anatomical boundaries of maxillary sinus
2. Antrum of Highmore

**Induction Time :**30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn to about location and boundaries of maxillary sinus	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment

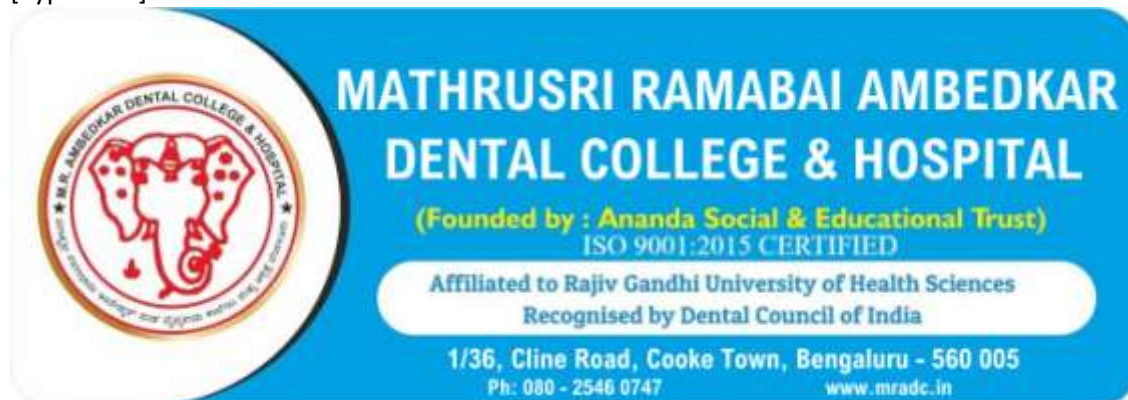
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**CLASS :1<sup>st</sup>BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**Maxillary sinus - development , anomalies , histopathology

**General Objectives :**At the end of the session learners will be able to discuss develop pf maxillary sinus and anomalies associated with it and also describe the lining of maxillaary sinus histologically .

**Specific Learning Objectives :**

1. Developoment of maxillary sinus
2. Developomental anomalies
3. Histopathology of maxillary sinus lining



**Induction Time :**30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn development and histology of maxillary sinus in detail	-lecture -AV Aids	Questionnaire	10 min

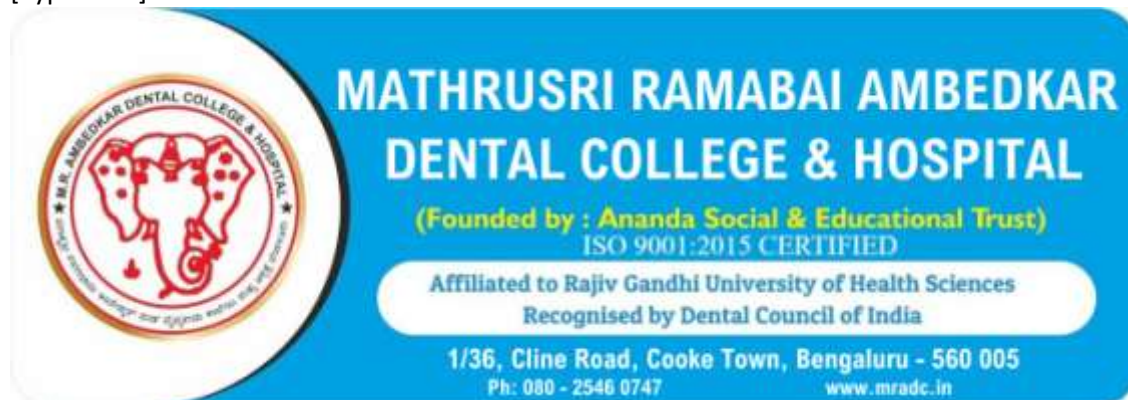
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**CLASS :1<sup>st</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**Maxillary sinus - functions and clinical considerations

**General Objectives :**At the end of the session learners will be able to discuss functions of maxillary sinus and also clinical considerations in detail .

**Specific Learning Objectives :**

1. Functions of maxillary sinus
2. Clinical considerations of maxillary sinus

**Induction Time :**30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn functions of maxillary sinus and clinical considerations related to it	-lecture -AV Aids	Questionnaire	10 min

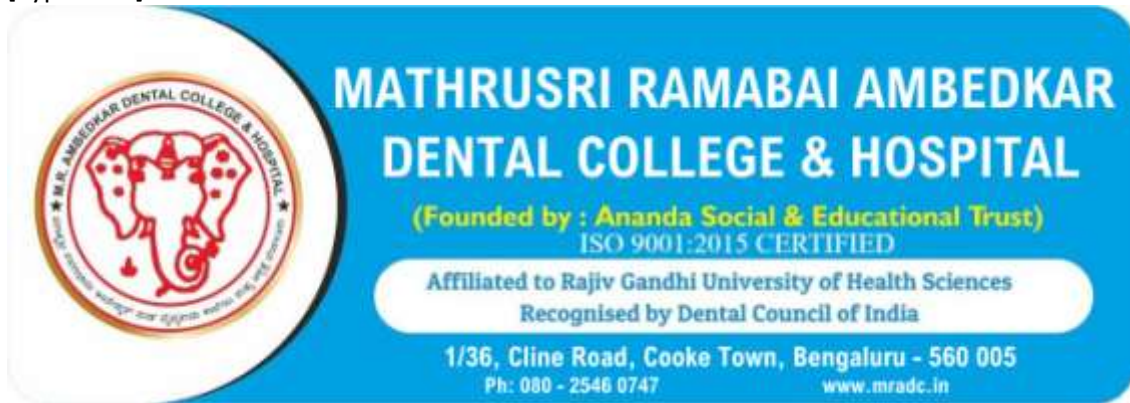
**Conclude :** Assignment



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**CLASS :1<sup>st</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**Oral mucous membrane - Introduction , Classification , functions

**General Objectives :**At the end of the session learners will be able to describe classification of oral mucous membrane in detail and its functions

**Specific Learning Objectives :**

1. Classification based on functional criteria
2. Functions of oral mucosa in detail

**Induction Time :**30- 40 min



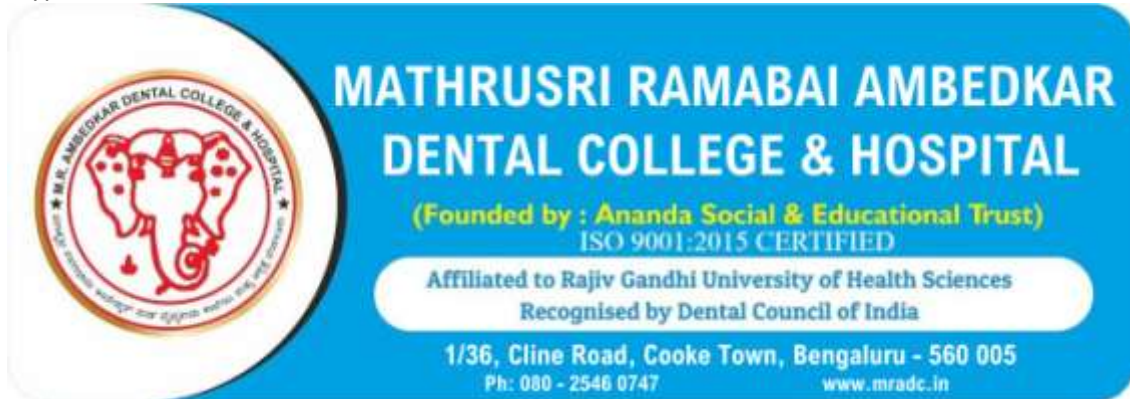
Objective	Method/medium	Assessment	Time
To make the student learn about classification of oral mucosa and its functions	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment

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**CLASS :1<sup>st</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**Oral mucous membrane - Components of oral mucosa

**General Objectives :**At the end of the session learners will be able to describe various components of oral mucosa .

**Specific Learning Objectives :**

1. Basal lamina
2. Components of submucosa depending on location

**Induction Time :**30- 40 min

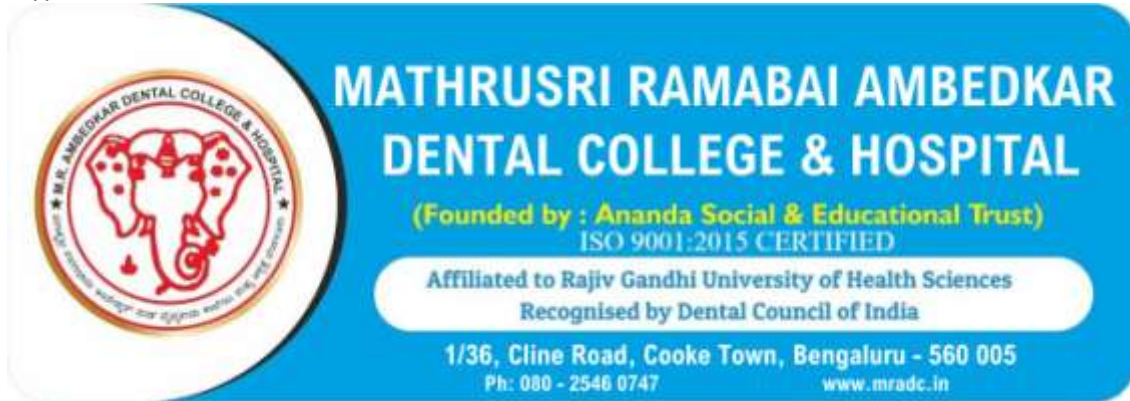
Objective	Method/medium	Assessment	Time
To make the student learn to about different components of oral mucosa and basement membrane in detail .	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



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**CLASS :1<sup>st</sup>BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**Oral mucous membrane - Types of Epithelium

**General Objectives :**At the end of the session learners will be able to describe different types epithelium based on its location

**Specific Learning Objectives :**

1. Difference between keratinised and non keratinised epithelium
3. Layers of keratinised epithelium
4. Layers of non keratinised epithelium

**Induction Time :**30- 40 min

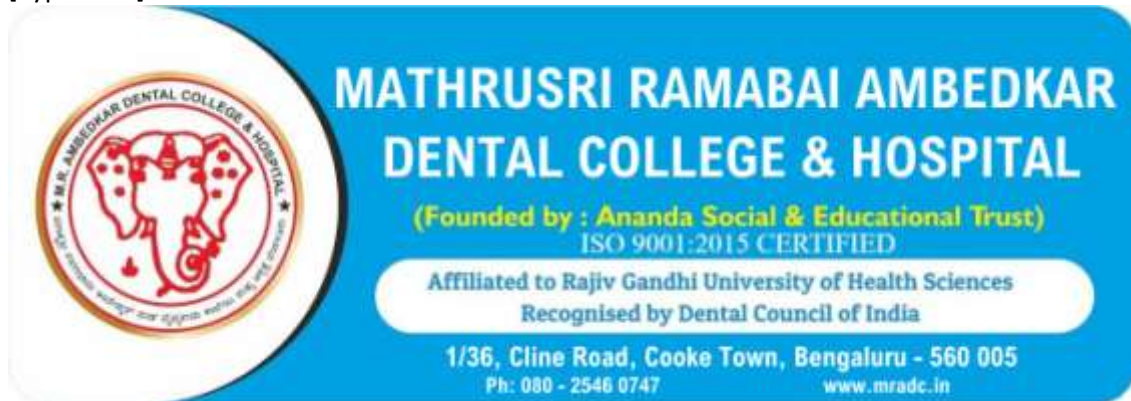
Objective	Method/medium	Assessment	Time
To make the student learn about different types of epithelium present in oral mucosa	-lecture -AV Aids	Questionnaire	10 min

**Conclude :**Assignment



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**CLASS :1<sup>st</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**OMM - Nonkeratinocytes , Structure and microscopy of masticatory mucosa

**General Objectives :**At the end of the session learners will be able to describe types of nonkeratinocytes and also discuss in detail about structure and microscopy of masticatory mucosa such as gingiva and hard palate

### **Specific Learning Objectives :**

1. Structure and histology of gingiva
2. Nonkeratinocytes in detail
3. Parts of hard palate and its histology
4. **Induction Time :** 30- 40 min



<b>Objective</b>	<b>Method/medium</b>	<b>Assessment</b>	<b>Time</b>
To make the student learn to about masticatory mucosa and also about nonkeratinocytes	-lecture -AV Aids	Questionnaire	10 min

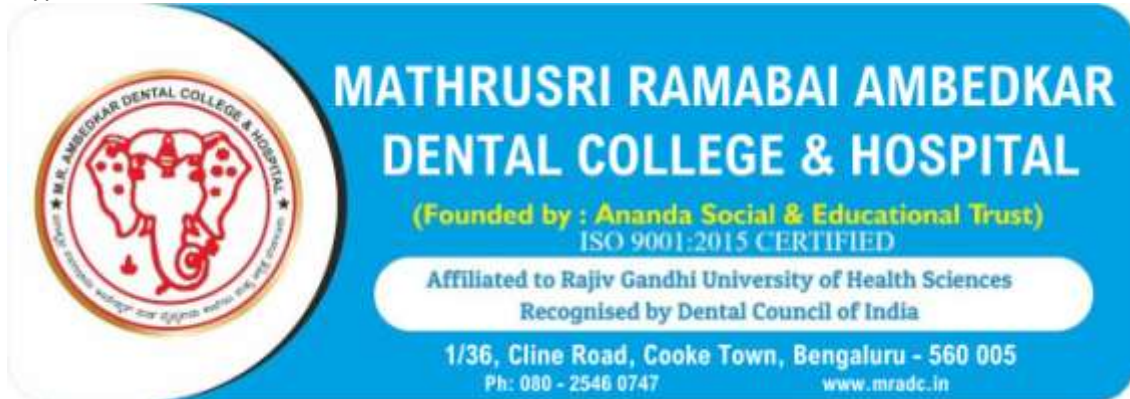
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**CLASS : 1<sup>st</sup>BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :** OMM - vermilion border of lip and lining mucosa

**General Objectives :** At the end of the session learners will be able to describe vermilion border of lip in detail also discuss in detail about structure and microscopy of lining mucosa such as lip, cheek, vestibule, floor of mouth and soft palate.

**Specific Learning Objectives :**

1. Structure and microscopy in detail about vermilion zone of lip
2. Structure and microscopy in detail about lining mucosa such as lip, cheek, vestibule, floor of mouth and soft palate.

**Induction Time :** 30- 40 min



Objective	Method/medium	Assessment	Time
To make the student learn about lining mucosa in detail and also know about vermilion zone of lip	-lecture -AV Aids	Questionnaire	10 min

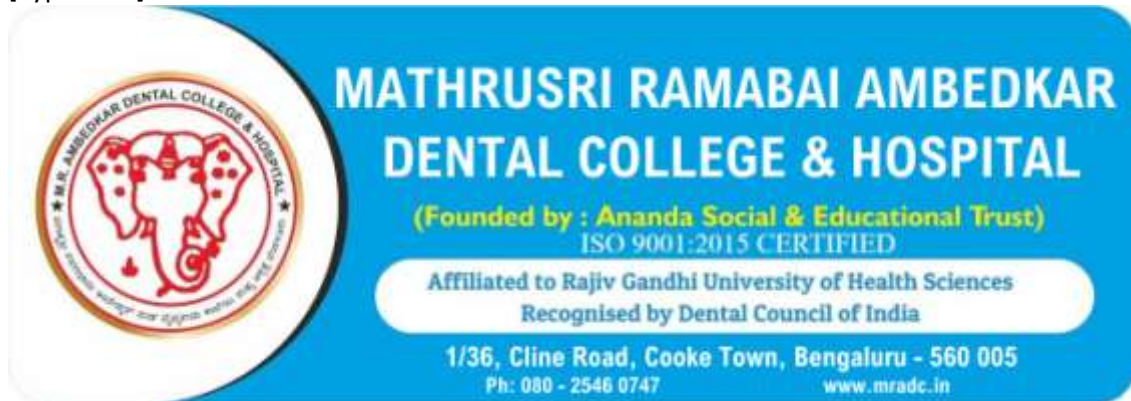
**Conclude :** Assignment

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**CLASS :1<sup>st</sup>BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :OMM - specialized mucosa and taste buds**

**General Objectives :**At the end of the session learners will be able to describe different types of papillae of specialized mucosa and also about structure of taste bud.

**Specific Learning Objectives :**

1. Filiform , fungiform , circumvallate papillae - structure and histology
2. Taste buds , taste pore



**Induction Time :30- 40 min**

Objective	Method/medium	Assessment	Time
To make the student learn about specialized mucosa in detail and also know about taste buds	-lecture -AV Aids	Questionnaire	10 min


**Conclude :Assignment**

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**CLASS :1<sup>st</sup>BDS  
Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**OMM - Junctions of oral mucosa

**General Objectives :**At the end of the session learners will be able to describe different types Junctions of oral mucosa

**Specific Learning Objectives :**

1. Dentogingival junction
2. Gingival sulcus



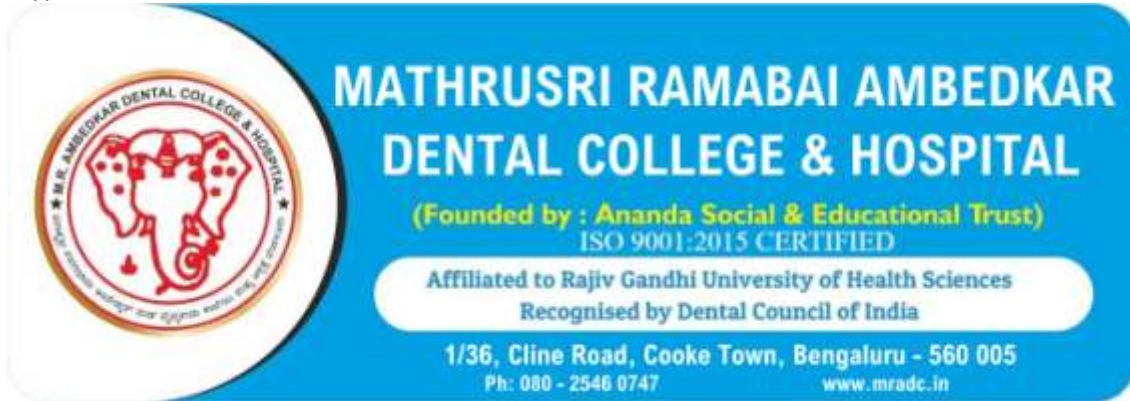
**Induction Time :**30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn about different junctions present in oral mucosa	-lecture -AV Aids	Questionnaire	10 min

**Conclude :**Assignment

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**CLASS :1<sup>st</sup>BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**OMM - Development of oral mucosa , Age changes

**General Objectives :**At the end of the session learners will be able to discuss development of oral mucosa and age changes of oral mucosa .

**Specific Learning Objectives :**

1. Development of oral mucosa
2. Age changes of oral mucosa

**Induction Time :**30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn about development and age changes of oral mucosa .	-lecture -AV Aids	Questionnaire	10 min

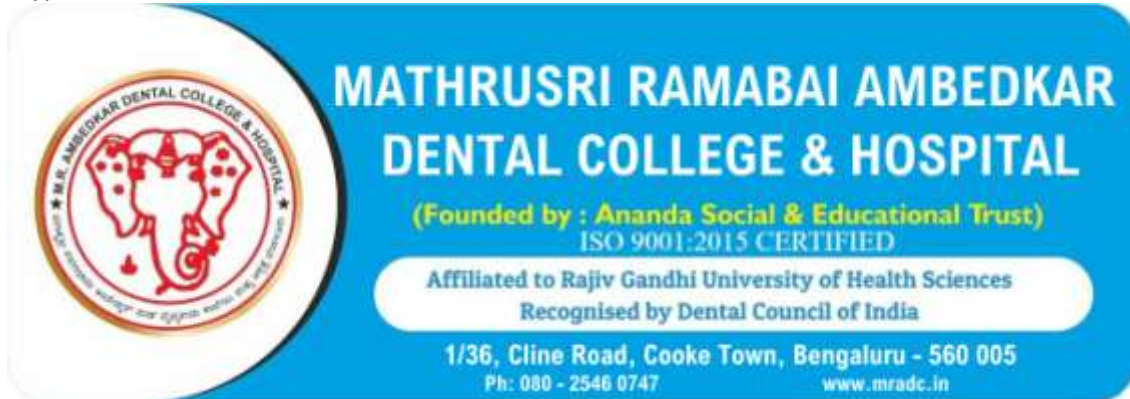
**Conclude :**Assignment



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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic : Cysts – Introduction, definition , classification**

**General Objectives :** At the end of the session, learners will be able to define cyst, classify cysts based on their origin .

**Specific Learning Objectives :**

3. Define cyst
4. Classify cysts

**Induction Time :30- 40 min**

Objective	Method/medium	Assessment	Time
To make the student learn about cysts and its classification	-lecture -AV Aids	Questionnaire	10 min

**Conclude : Assignment**

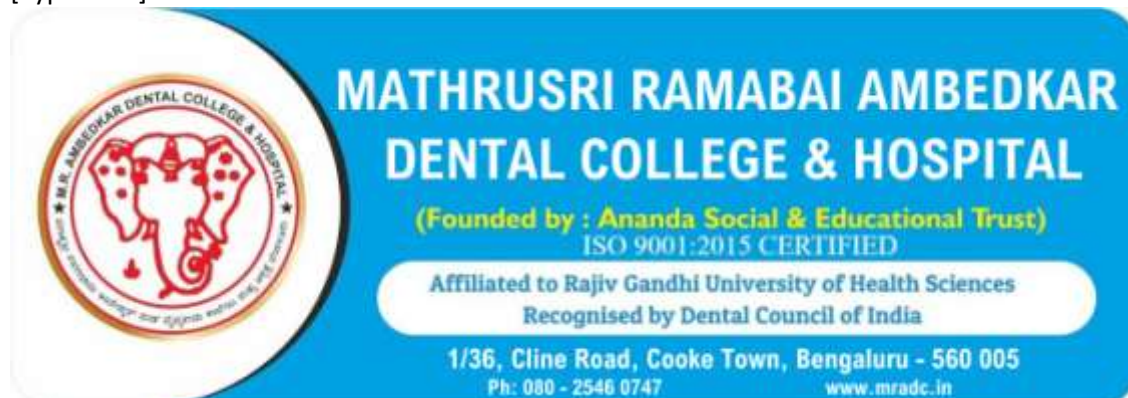


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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :** cysts – Dentigerous cyst

**General Objectives :** At the end of the session learners will be able to describe Dentigerous Cyst based on its clinical features , pathogenesis, radiological features and histopathology .

**Specific Learning Objectives :**

1. Pathogenesis of Dentigerous cyst
2. Radiological types of dentigerouscyst
3. Histopathology of dentigerous cyst



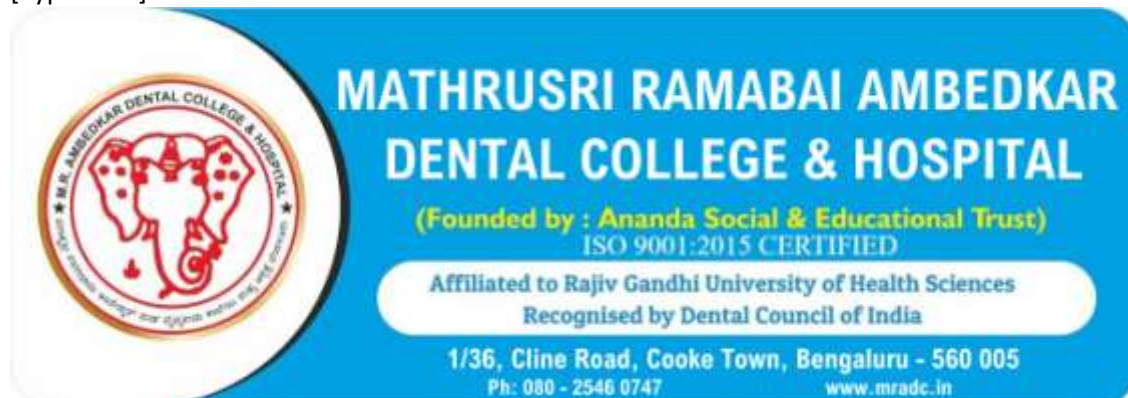
**Induction Time :** 30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn about dentigerous cyst in detail	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment

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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :** cysts – Lateral periodontal cysts , Eruption cysts, gingival cysts of newborn and adults

**General Objectives :** At the end of the session learners will be able to differentiate between Lateral periodontal cysts , Eruption cysts, gingival cysts of newborn and adults based on its clinical features.

**Specific Learning Objectives :**

1. Discuss clinical features of Lateral periodontal cysts , Eruption cysts
2. Differentiate between gingival cysts of newborn and adults
3. Bohns nodules and Epstein pearls



**Induction Time :** 30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn about different types of cysts based on its location	-lecture -AV Aids	Questionnaire	10 min

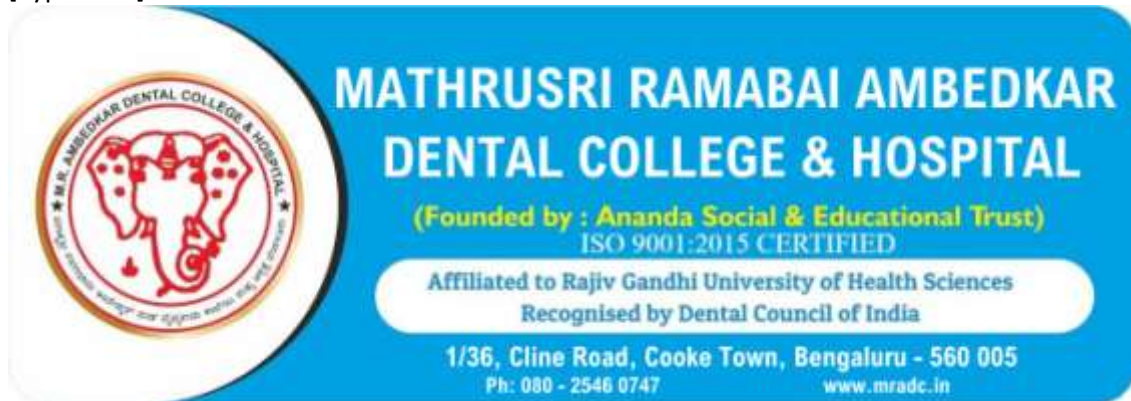
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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**Odontogenic cysts – OKC

**General Objectives :**At the end of the session learners will be able to describe OKC based on its clinical features , radiological features and histopathology .

**Specific Learning Objectives :**

1. Discuss clinical features of OKC
2. List the types of OKC
3. Describe histopathology
4. Picket fence apperance
5. Daughter cysts

**Induction Time :**30- 40 min

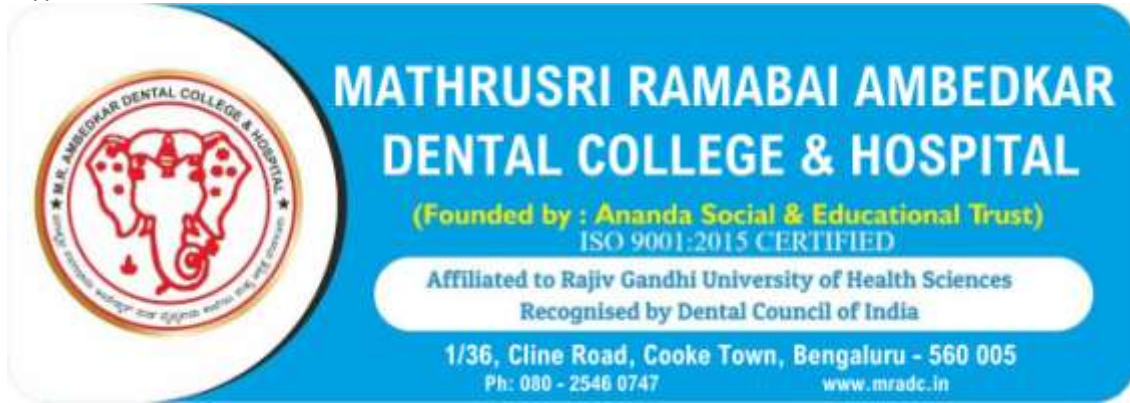
Objective	Method/medium	Assessment	Time
To make the student learn about OKC in detail	-lecture -AV Aids	Questionnaire	10 min

**Conclude :**Assignment



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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :** Radicular cyst, Residual cyst

**General Objectives :** At the end of the session learners will be able to describe Radicular cyst based on its clinical features , pathogenesis, radiological features and histopathology.

**Specific Learning Objectives :**

1. Discuss clinical features of Radicular cyst
2. pathogenesis of Radicular cyst
3. Residual cyst



**Induction Time :** 30- 40 min

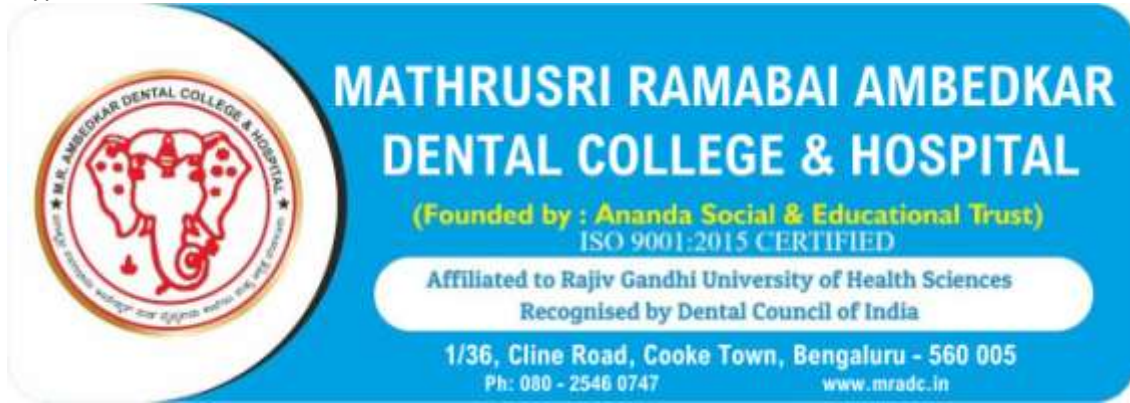
Objective	Method/medium	Assessment	Time
To make the student learn Inflammatory cysts	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment

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**CLASS : 3<sup>RD</sup> BDS  
Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :** Aneurysmal bone cyst

**General Objectives :** At the end of the session learners will be able to describe Aneurysmal bone cyst based on its clinical features , radiological features and histopathology.

**Specific Learning Objectives :**

1. Discuss Aneurysmal bone cyst



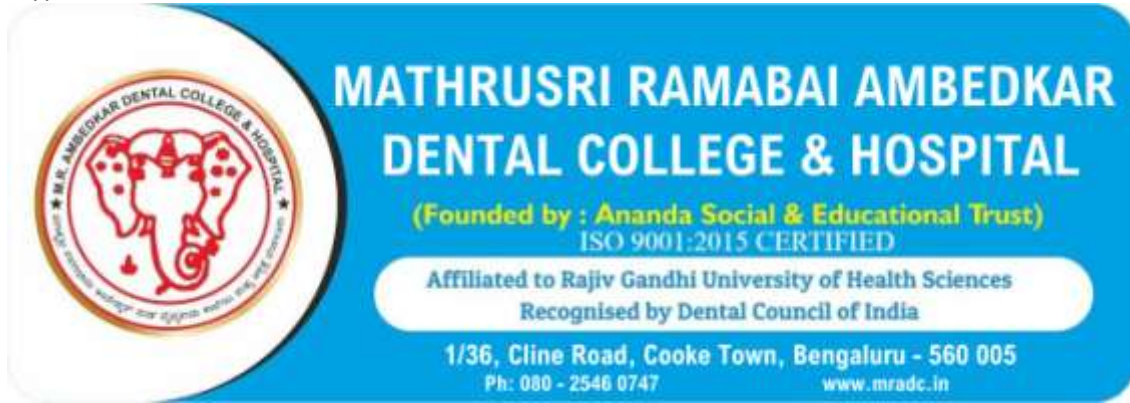
**Induction Time :** 30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn about ABC in detail	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment

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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :Mucocele**

**General Objectives :**At the end of the session learners will be able to differentiate between types of mucocele based on their histology .

**Specific Learning Objectives :**

3. Difference between Mucous Retention and Mucous Extravassation Cysts
4. Histology of Mucous retention cyst
5. Histology of Mucous Escape phenomeneon

**Induction Time :30- 40 min**

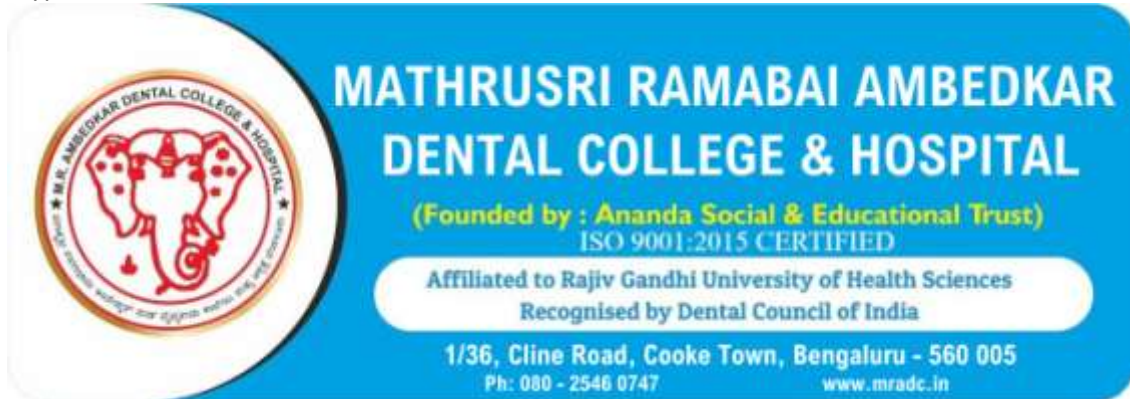
Objective	Method/medium	Assessment	Time
To make the student learn about different type of Mucocele	-lecture -AV Aids	Questionnaire	10 min

**Conclude : Assignment**



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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :** Calcifying Odontogenic Cyst

**General Objectives :** At the end of the session learners will be able to describe COC in detail based on clinical features and histological features

**Specific Learning Objectives :**

3. Histopathology of COC
4. Ghost cells

**Induction Time :** 30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn about COC in detail	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



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**CLASS : 3<sup>RD</sup> BDS**



**DOMAIN : Cognitive**

**Time : 1 hour**

**Topic : Regressive alterations of teeth** - Attrition , Abrasion , Erosion, Abfraction, Dentinal sclerosis, Dead tracts

**General Objectives :** At the end of the session learners will be able to differentiate between Attrition , Abrasion , Erosion and Abfraction based on their clinical presentation and also to learn about dead tracts and Dentinal sclerosis

**Specific Learning Objectives :**

3. Define Attrition , Erosion , Abrasion
4. Causes and Clinical presentation of Attrition , Abrasion , Erosion, Abfraction
5. Histology of dead tracts and dentinal sclerosis

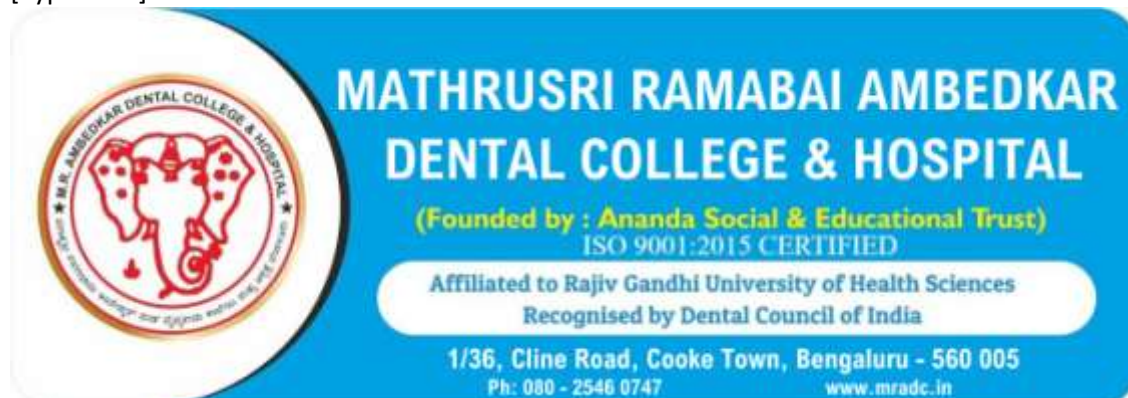
**Induction Time :** 30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn to differentiate between Attrition , Abrasion , Erosion Dead tracts and sclerotic dentin	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment

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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :** Regressive alterations of teeth - secondary dentin , pulp calcifications , resorption of teeth , hypercementosis , cementicles

**General Objectives :** At the end of the session learners will be able to describe causes for resorption of teeth and in detail on presentation of secondary dentin , pulp calcifications , hypercementosis.

**Specific Learning Objectives :**

4. Causes for Resorption of teeth
5. Types of pulp stones
6. Histological presentation of dentinal sclerosis

**Induction Time :** 30- 40 min

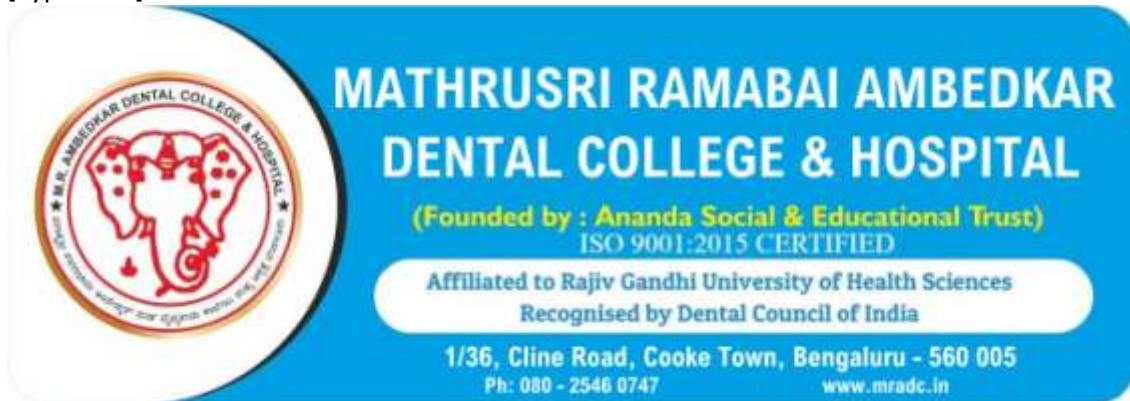
Objective	Method/medium	Assessment	Time
To make the student learn about causes resorption of teeth Differentiate between dentinal sclerosis and dead tracts	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :Diseases of Nerves**

**General Objectives :**At the end of the session learners will be able to describe presentation and causes for Trigeminal Neuralgia and SphenopalatineNeuralgia .

**Specific Learning Objectives :**

1. Clinical features of Trigeminal Neuralgia and SphenopalatineNeuralgia
2. trigger zones

**Induction Time :30- 40 min**

Objective	Method/medium	Assessment	Time
To make the student learn various types neuralgia and how to Differentiatite them	-lecture -AV Aids	Questionnaire	10 min

**Conclude : Assignment**

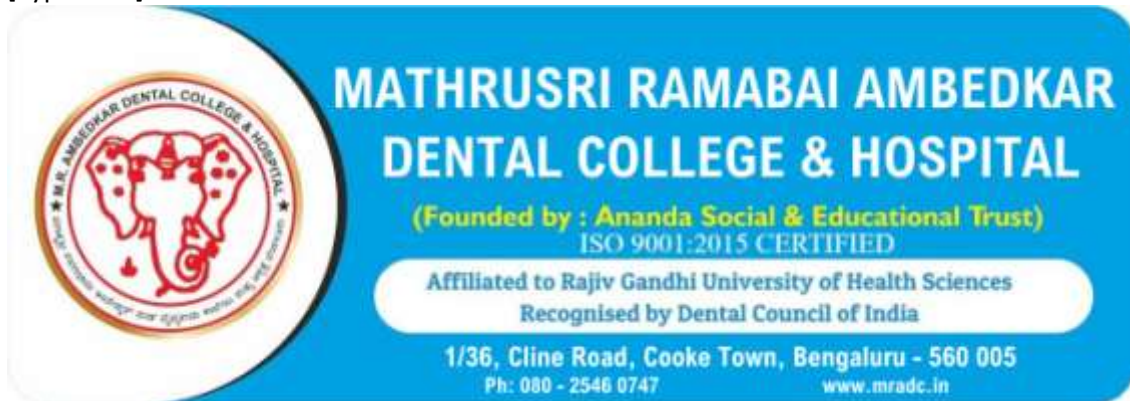


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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :** Diseases of Nerves

**General Objectives :** At the end of the session learners will be able to describe causes for Frey's syndrome and Burning Mouth Syndrome

**Specific Learning Objectives :**

1. Clinical features of Frey's syndrome
2. Causes for Burning Mouth Syndrome



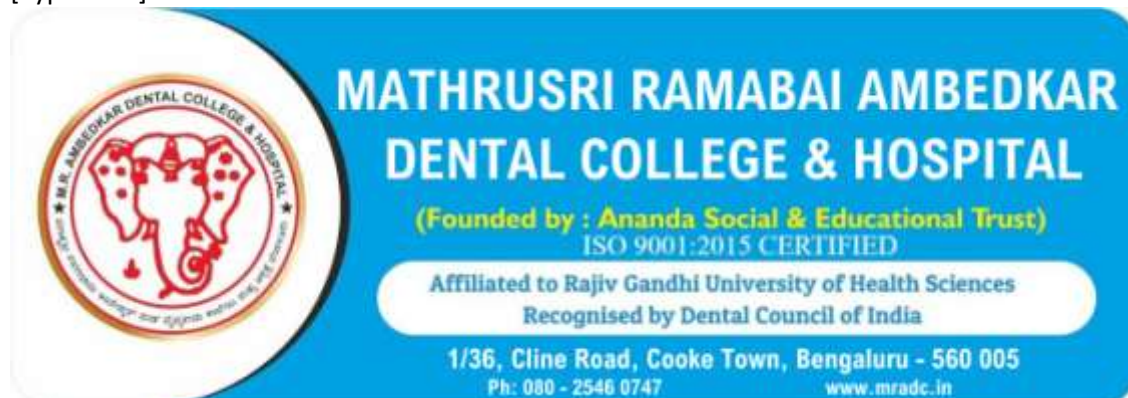
**Induction Time :** 30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn about causes and presentation of Frey's syndrome and Burning Mouth Syndrome	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment

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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :Odontogenic tumours** - Introduction , Classification , Ameloblastoma

**General Objectives :**At the end of the session learners will be able to describe what is an odontogenictumor , its classification and in detail about definition , clinical features and radiological features of ameloblastoma . .

**Specific Learning Objectives :**

1. classification of odontogenic tumours
2. Ameloblastoma - definition , clinical presentation and radiographic features
3. Multilocular appearance

**Induction Time :30- 40 min**

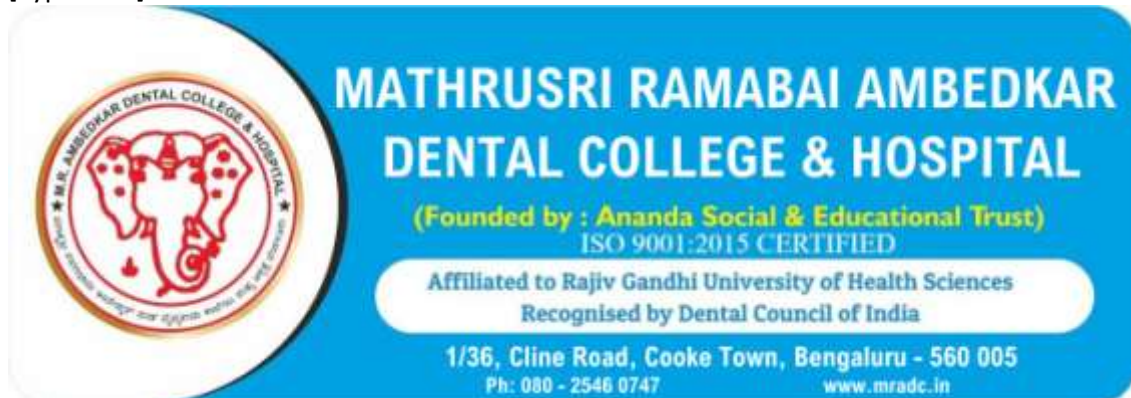
Objective	Method/medium	Assessment	Time
To make the student learn about tumours arising from odontogenic origin and in detail about ameloblastoma	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**Ameloblastoma - histology , treatment and unicysticameloblastoma

**General Objectives :**At the end of the session learners will be able to describe histopathological variants and unicysticameloblastoma in detail.

**Specific Learning Objectives :**

3. histopathological variants of ameloblastoma
4. In detail about unicysticameloblastoma
5. Vickers and Gorlins Criteria

**Induction Time :**30- 40 min

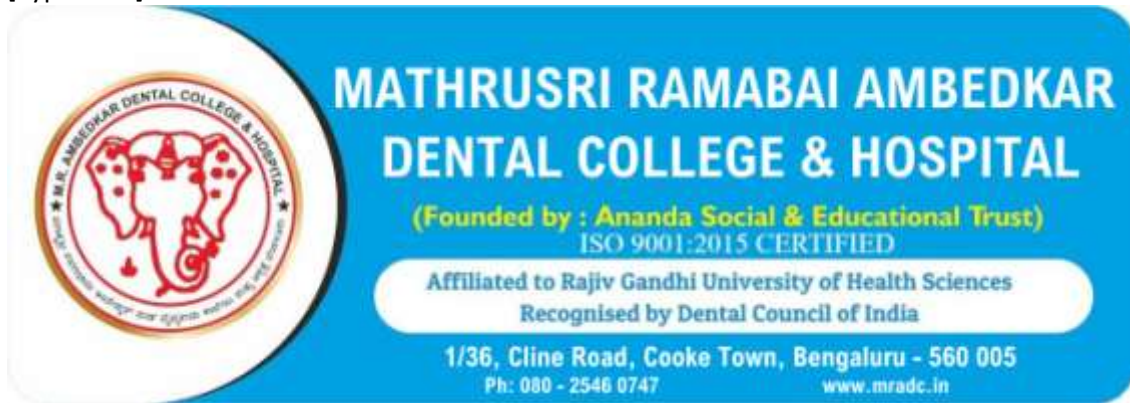
Objective	Method/medium	Assessment	Time
To make the student learn to differentiate different types of ameloblastoma histologically and also to learn about unicysticameloblastoma	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :** Calcifying Epithelial odontogenic tumour

**General Objectives :** At the end of the session learners will be able to describe other odontogenic tumour arising from odontogenic epithelium such as CEOT based on its clinical presentation and histopathology.

**Specific Learning Objectives :**

4. CEOT - synonym , clinical , radiographic and histopathological features
5. Driven snow appearance
6. Lisese gang ring calcifications

**Induction Time :** 30- 40 min

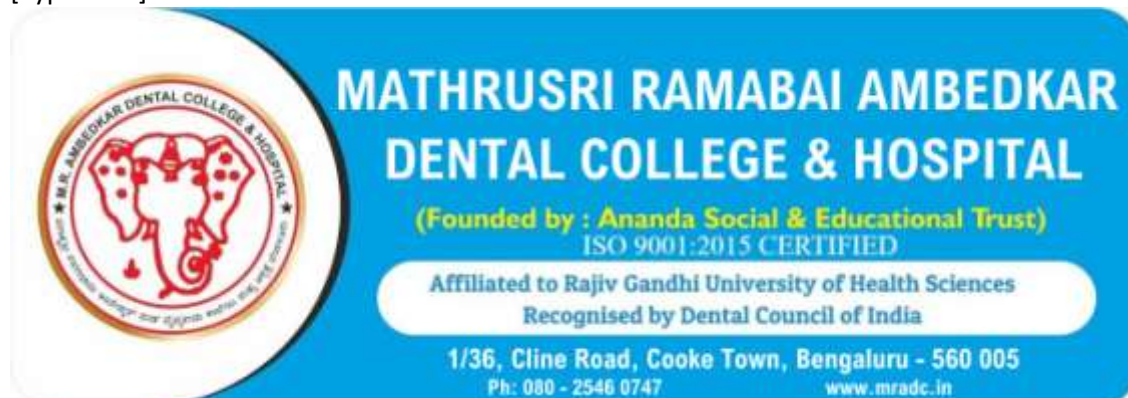
Objective	Method/medium	Assessment	Time
To make the student learn about CEOT based on their histological and radiographic features .	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :** Adenomatoidodontogenic tumour and Squamous odontogenic tumour .

**General Objectives :** At the end of the session learners will be able to describe other odontogenic tumours arising from odontogenic epithelium such as AOT and SOT based on their clinical presentation and histopathology.

**Specific Learning Objectives :**

1. AOT , SOT- clinical , radiological and histopathological feature
2. SOT- clinical and histopathological feature
3. Hyaline ring

**Induction Time :** 30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn to differentiate different types of odontogenic tumours based on their histological features.	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



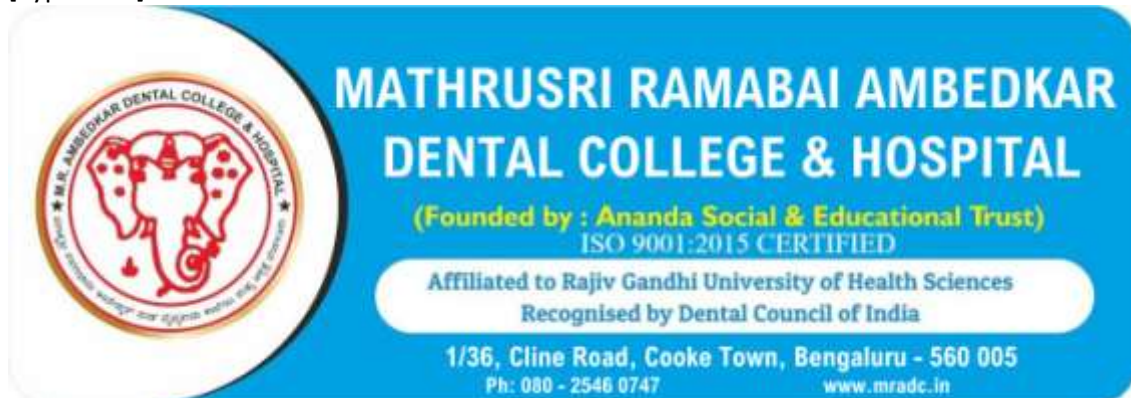
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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**Ameloblastic fibroma , Ameloblastic Fibro -odontoma

**General Objectives :**At the end of the session learners will be able to describe odontogenic tumours originating from odontogenic epithelium with odontogenicectomesenchyme with or without hard tissue formation such as Ameloblastic fibroma and Ameloblastic Fibro -odontoma.

**Specific Learning Objectives :**

1. clinical and histopathological features of Ameloblastic fibroma
2. clinical and histopathological features of Ameloblastic Fibro -odontoma

**Induction Time :**30- 40 min

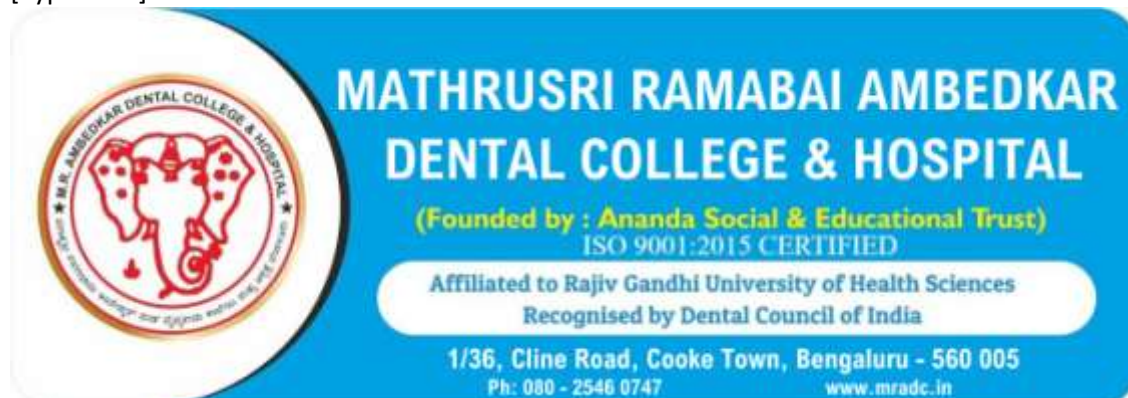
Objective	Method/medium	Assessment	Time
To make the student learn to differentiatitaeAmeloblastic fibroma and Ameloblastic Fibro -odontoma	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :** Dentinogenic Ghost cell Tumour, Odontoma

**General Objectives :** At the end of the session learners will be able to describe odontogenic tumours originating from odontogenic epithelium with odontogenicectomesenchyme with or without hard tissue formation such as Odontoma and Dentinogenic Ghost cell Tumour

**Specific Learning Objectives :**

1. Odontoma - types compound and complex in detail based on histology and radiographic features
3. clinical and histopathological features of Dentinogenic Ghost cell Tumour

**Induction Time :** 30- 40 min

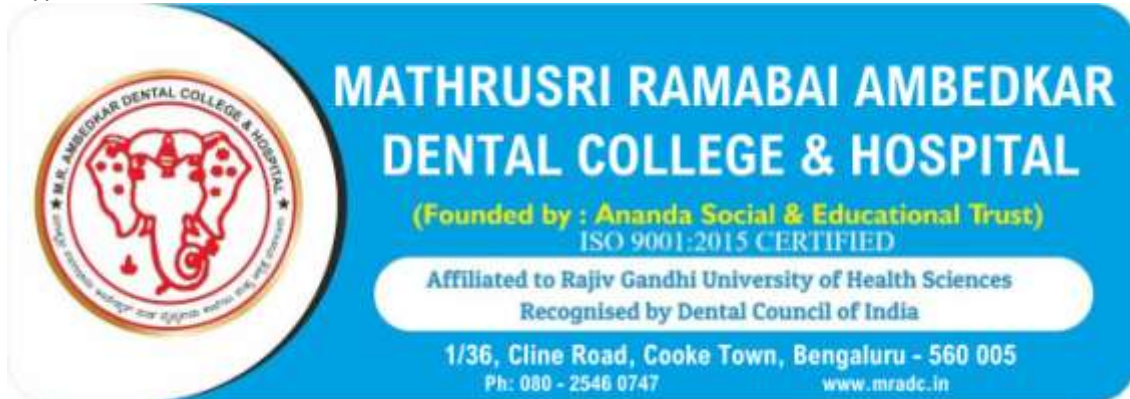
Objective	Method/medium	Assessment	Time
To make the student learn to differentiate compound and complex type of odontoma and features of Dentinogenic Ghost cell Tumour in detail	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :**Peripheral odontogenic fibroma and Central odontogenic fibroma

**General Objectives :**At the end of the session learners will be able to describe odontogenic tumours originating from odontogenicectomesenchyme with or without included odontogenic epithelium such as Peripheral odontogenic fibroma and Central odontogenic fibroma.

**Specific Learning Objectives :**

1. clinical and histopathological features of Peripheral odontogenic fibroma
2. clinical ,histopathological features and radiographic feature of central odontogenic fibroma

**Induction Time :**30- 40 min

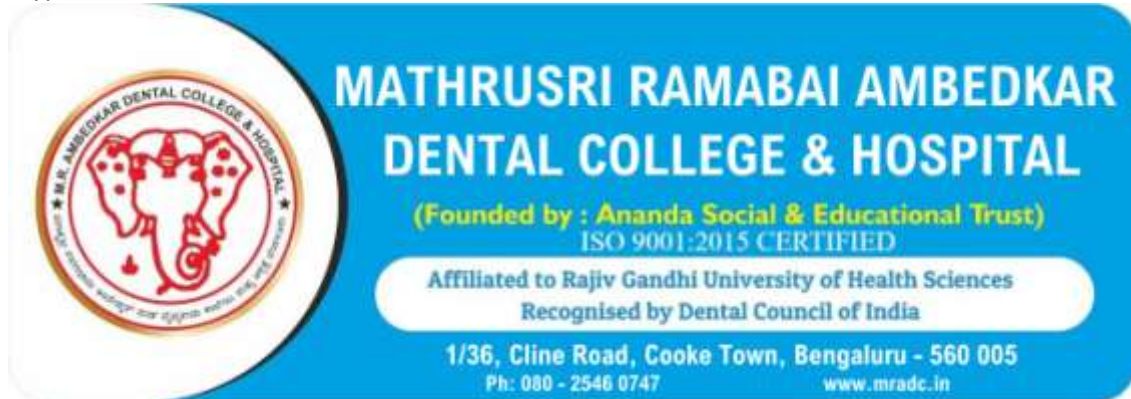
Objective	Method/medium	Assessment	Time
To make the student learn to differentiatePeripheral odontogenic fibroma from Central odontogenic fibroma	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :** Odontogenic Myxoma , Benign cementoblastoma

**General Objectives :** At the end of the session learners will be able to describe odontogenic tumours originating from odontogenic ectomesenchyme with or without included odontogenic epithelium such as Odontogenic Myxoma and Benign cementoblastoma

**Specific Learning Objectives :**

3. clinical and histopathological features of Odontogenic Myxoma
4. clinical and histopathological features of Benign cementoblastoma

**Induction Time :** 30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn about features of Odontogenic Myxoma and Benign cementoblastoma	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



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**CLASS : 3<sup>RD</sup> BDS**  
**Cognitive**

**DOMAIN :**

**Time : 1 hour**

**Topic :** Malignant odontogenic tumours - Odontogenic carcinomas : metastasizing ameloblastoma and ameloblastic carcinoma

**General Objectives :** At the end of the session learners will be able to describe malignant types of odontogenic tumours such as metastasizing ameloblastoma and ameloblastic carcinoma

**Specific Learning Objectives :**

1. To differentiate malignant ameloblastoma from conventional ameloblastoma of benign variety
2. To know the difference between metastasizing ameloblastoma and ameloblastic carcinoma

**Induction Time :** 30- 40 min

Objective	Method/medium	Assessment	Time
To make the student learn to differentiate between metastasizing ameloblastoma and ameloblastic carcinoma	-lecture -AV Aids	Questionnaire	10 min

**Conclude :** Assignment



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## Lesson plan

Class – 1<sup>ST</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

**Topic:** Dentin

**General objective-**At the end of the session learner will be able to brief about introduction,composition,physical and chemical properties of dentin.

**Specific learning objective-**

- 1.) Struture of entire tooth with brief introduction about dentin
- 2.) organic and inorganic content of dentin,physical and chemical properties of dentin in comparison to other hard tissues of tooth.

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about composition ,physical and chemical properties of dentin	-lecture -AV Aids	Questionnaire	15 min

**Conclude-**

Assignment

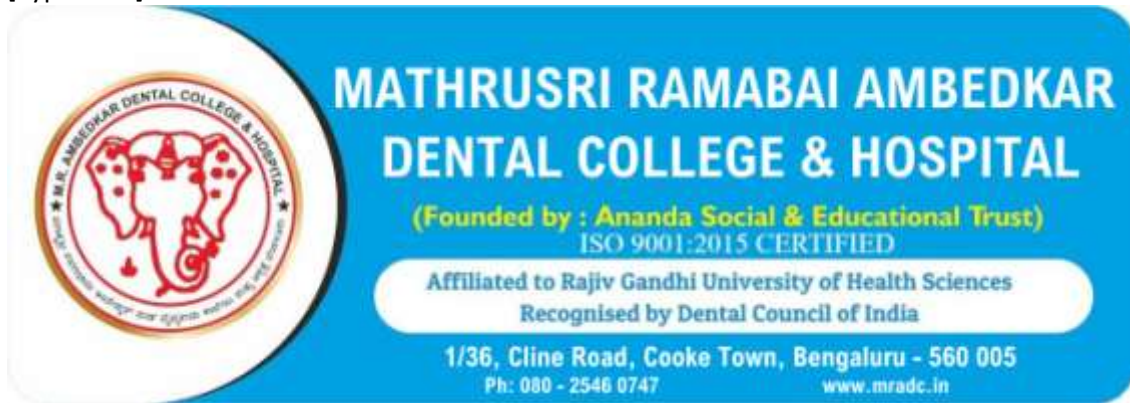


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## Lesson plan

**Class – 1<sup>ST</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic: Dentin**

**General objective-**At the end of the session learner will be able to brief about structure,dentinal tubules,DEJ ,Odontoblasts,pre dentin,primary dentin

**Specific learning objective-**

- 1.) about detailed structure , dentinal tubules curvature ,DEJ
- 2.) odontoblasts,pre dentin,mantle and circumpulpal dentin

**Induction time-30 to 40 min.**

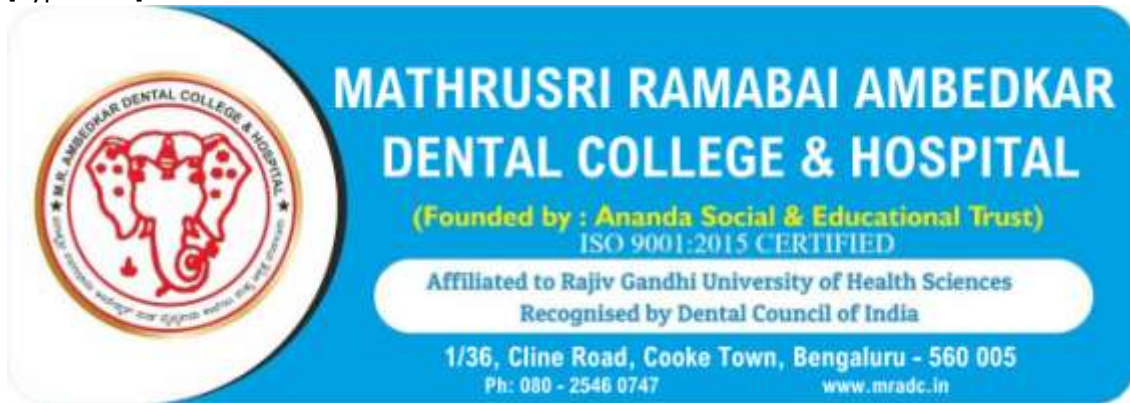


Objective	Method/medium	Assessment	Time
To make the student learn about DEJ,dentinal tubules,odontoblasts,pre dentin,primary dentin	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

Class – 1<sup>ST</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

**Topic:** Dentin

**General objective-**At the end of the session learner will be able to brief about peritubulardentin,intratubulardentin,incremental lines of von ebner,interglobulardentin,neonatal line

**Specific learning objective-**

1.) about hypocalcified structures of dentin



**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about hypocalcified structures of dentin	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

**Class – 1<sup>ST</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic: Dentin**

**General objective-**At the end of the session learner will be able to brief about innervation of dentin,theories of dentin hypersensitivity

**Specific learning objective-**

1.) about different forms of dentin hypersensitivity and to understand the most accepted theory

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about theories of dentin hypersensitivity	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

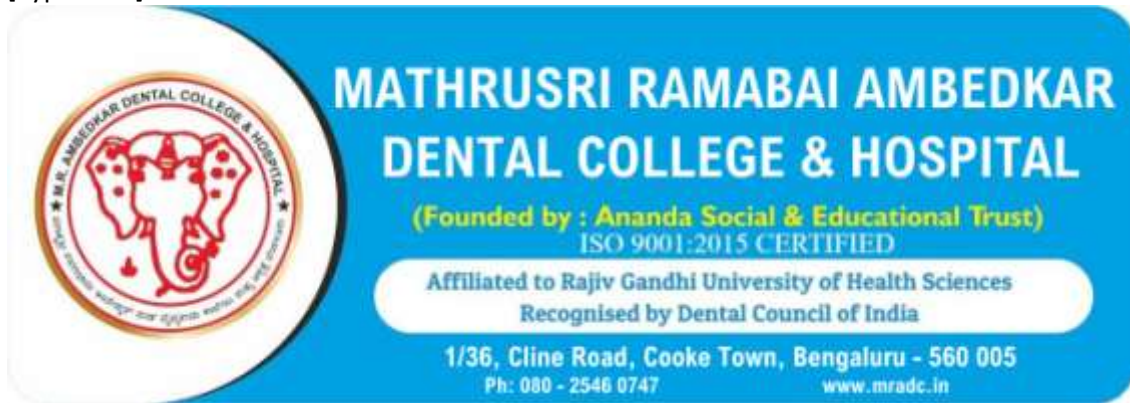


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## Lesson plan

Class – 1<sup>ST</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

**Topic:** Dentin

**General objective-**At the end of the session learner will be able to brief about secondary dentin ,tomes granular layer,tertiarydentin,dentinogenesis

**Specific learning objective-**



- 1.) to differentiate between primary ,secondary and tertiary dentin
- 2.) process of dentinogenesis as well as genes involved

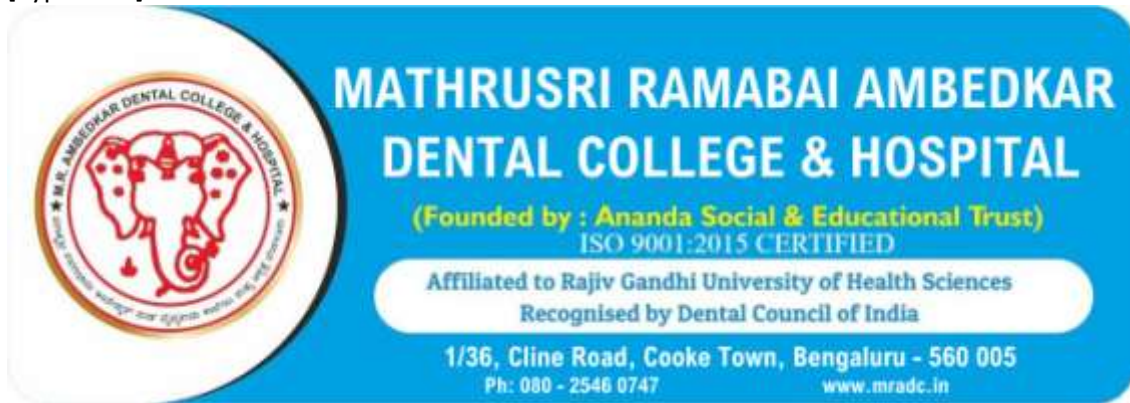
**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about secondary ,tertiary dentin and dentinogenesis	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

**Class – 1<sup>ST</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic: Bone**

**General objective-**At the end of the session learner will be able to brief about introduction to bone,composition and classification of bones

**Specific learning objective-**

- 1.)Functions of bone along with its composition
- 2.)Classification of bones with examples

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about composition of bone with classification of bones	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment



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## Lesson plan

**Class** – 1<sup>ST</sup> BDS

**Domain**-Cognitive

**Number of students**-75

**Time** - 1hour

**Topic:** Bone

**General objective**-At the end of the session learner will be able to brief about basic histology of bone, bone forming cells and their functions

**Specific learning objective**-

- 1.) histology of bone includes periosteum, different lamellae, osteon, Haversian system, Volkmann canal
- 2.) osteoblasts, their structure, formation, functions.



**Induction time**-30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about histology of bone and osteoblasts	-lecture -AV Aids	Questionnaire	15 min

**Conclude**- Assignment

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## Lesson plan

Class – 1<sup>ST</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

**Topic:** Bone

**General objective-**At the end of the session learner will be able to brief osteoclasts, bone resorption, bone remodelling

**Specific learning objective-**

- 1.)in detail about osteoclasts, steps in bone resorption
- 2.)bone remodelling process

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Bone resorption and bone remodelling	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment



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## Lesson plan

**Class** – 1<sup>ST</sup> BDS

**Domain**-Cognitive

**Number of students**-75

**Time** - 1hour **Topic**: Bone

**General objective**-At the end of the session learner will be able to brief types of bone ossification,theories of mineralization

**Specific learning objective**-

- 1.)types of bone formation which includes intramembranous and endochondral bone formation
- 2.)theories of minerlization

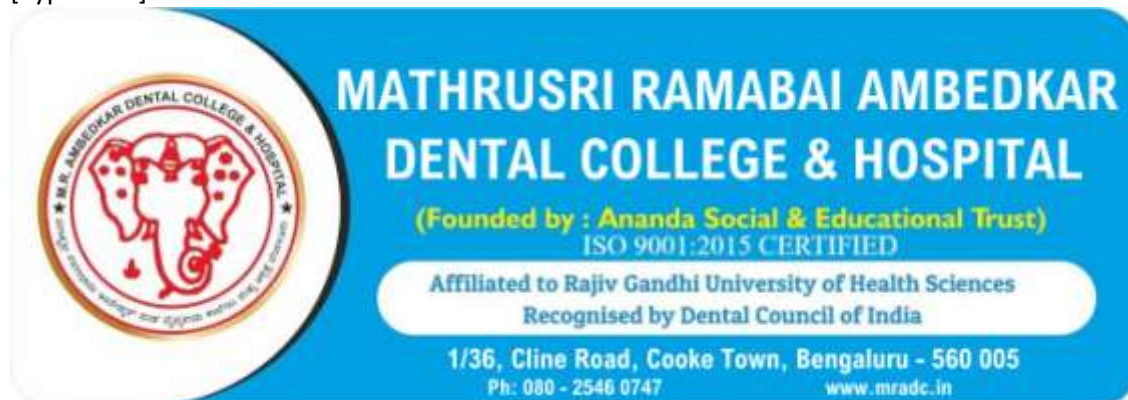
**Induction time**-30 to 40 min.



Objective	Method/medium	Assessment	Time
To make the student learn about Types of bone formation and theories of minerlization	-lecture -AV Aids	Questionnaire	15 min

**Conclude**- Assignment

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## Lesson plan

**Class** – 1<sup>ST</sup> BDS

**Domain**-Cognitive

**Number of students**-75

**Time** - 1houR **Topic**: Bone

**General objective**-At the end of the session learner will be able to brief structure of alveolar bone and its development and age changes of bone

**Specific learning objective**-

- 1.)parts of alveolar bone and its development
- 2.)Age changes of bone



**Induction time**-30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Structure and development of alveolar bone, age changes .	-lecture -AV Aids	Questionnaire	15 min

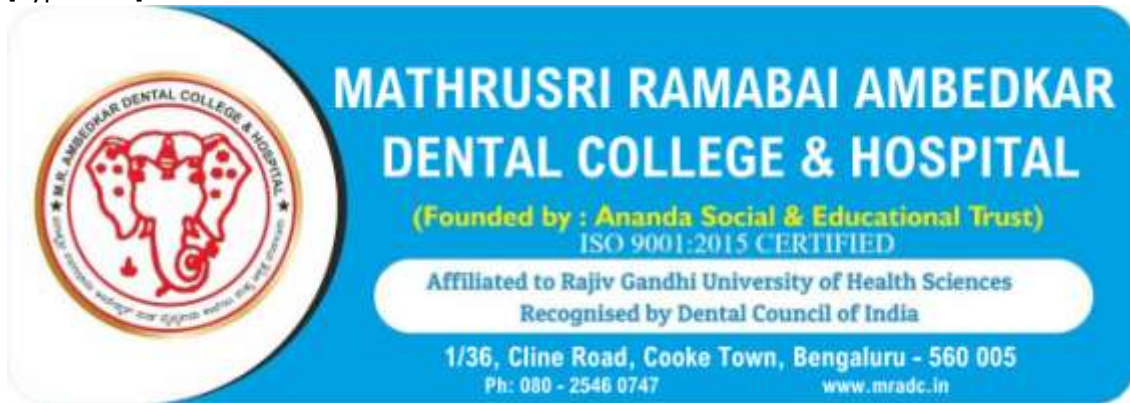
**Conclude**- Assignment

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Recognised by Dental Council of India

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## Lesson plan

Class – 1<sup>ST</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

**Topic:** Bone

**General objective-**At the end of the session learner will be able to brief structure of alveolar bone

**Specific learning objective-**

- 1.)types of bone formation which includes intramembranous and endochondral bone formation
- 2.)theories of minerlization

**Induction time-**30 to 40 min.



Objective	Method/medium	Assessment	Time
To make the student learn about Types of bone formation and theories of minerlization	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

**Class – 1<sup>ST</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**Topic:Alveolar Bone

**General objective-**At the end of the session learner will be able to brief structure of alveolar bone

**Specific learning objective-**

- 1.) Alveolar bone proper and supporting alveolar bone
- 2.)process of development of alveolar bone
- 3.)types of spongiosa

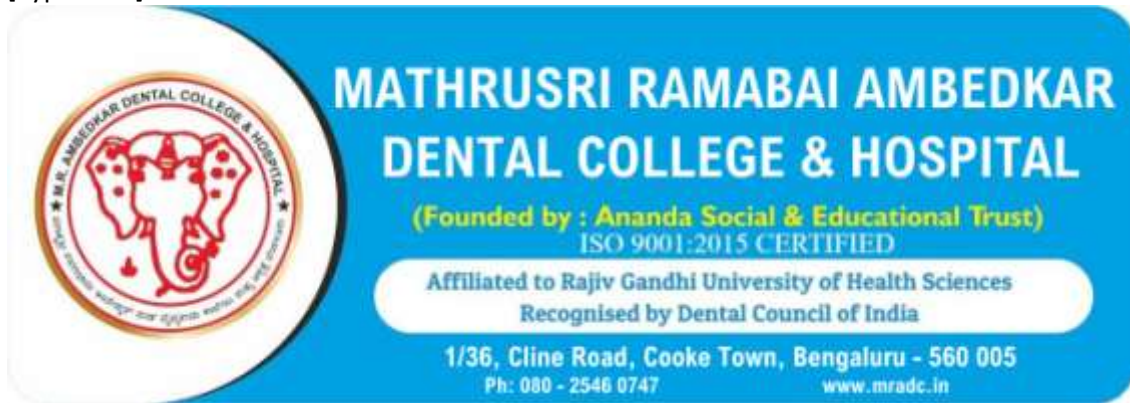
**Induction time-**30 to 40 min.



Objective	Method/medium	Assessment	Time
To make the student learn about process of alveolar bone development,alveolar bone proper and supporting alveolar bone	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

Class – 1<sup>ST</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hourTopic:Eruption

**General objective-**At the end of the session learner will be able to brief about definition,phases of physiologic tooth movement

**Specific learning objective-**

- 1.) definition of eruption,physiologic tooth movement
- 2.)phases of physiologic tooth movement



**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about definition of eruption,physiologic tooth movement, phases of physiologic tooth movement	-lecture -AV Aids	Questionnaire	15 min

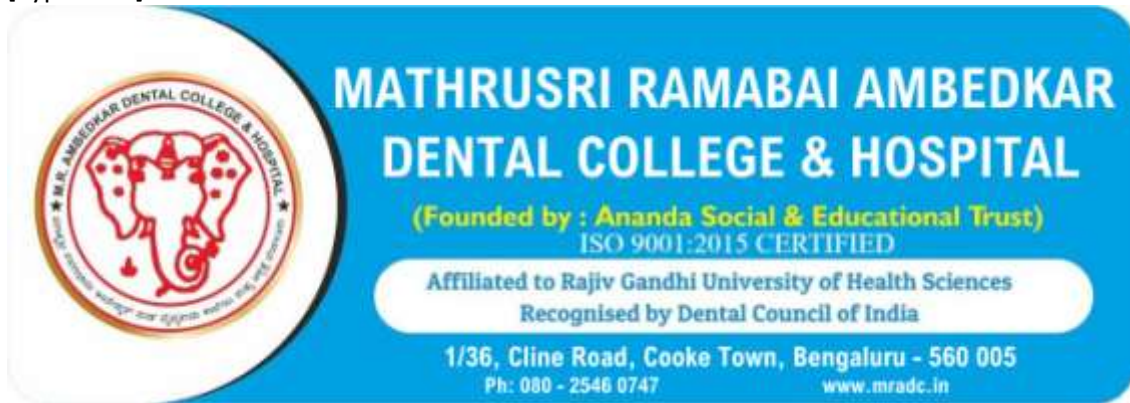
**Conclude-** Assignment

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## Lesson plan

**Class – 1<sup>ST</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hourTopic:Eruption**

**General objective-**At the end of the session learner will be able to brief about histology of tooth movement.mechanism of tooth eruption

**Specific learning objective-**

- 1.) various changes studied histologically during tooth movement
- 2.)theories of tooth eruption

**Induction time-30 to 40 min.**



Objective	Method/medium	Assessment	Time
To make the student learn about definition of various changes studied histologically during tooth movement,theories of tooth eruption.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## LESSON PLAN

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:** Classification of mucocutaneous lesions

Lichen planus, psoriasis

**General objective-** At the end of the session learner will be able to brief the classification of mucocutaneous lesions and describe clinically and histopathologically about lichen planus as well as Psoriasis.

**Specific learning objective-**

- 1.) Pathogenesis, Clinical features, histopathological features of lichen planus
- 2.) Pathogenesis, Clinical features, histopathological features of Psoriasis



**Induction time-** 30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Lichen planus and Psoriasis	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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**Lesson plan**

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:** Differences between Pemphigus and pemphigoid.

Erythema multiforme,ectodermal dysplasia

**General objective-**At the end of the session learner will be able to differentiate clinically and histopathologically between pemphigus and pemphigoid.Clinical features of erythema multiforme,ectodermal dysplasia

**Specific learning objective-**



1.) Pathogenesis,Clinical features, histopathological features and to differentiate between Pemphigus and Pemphigoid

2.) Pathogenesis,Clinical features, of erythema multiforme and ectodermal dysplasia

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about pemphigus ,pemphigoid,erythemamultiforme and ectodermal dysplasia	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic: lupus**

erythematosus,dariersdisease,epidermolysisbullosa,scleroderma

**General objective-**At the end of the session learner will be able to describe clinically and histopathologically about lupus

erythematosus,dariersdisease,epidermolysisbullosa,scleroderma.



**Specific learning objective-**

1.) Pathogenesis,Clinical features, histopathological features of lupus erythematosus,dariersdisease,epidermolysisbullosa and scleroderma

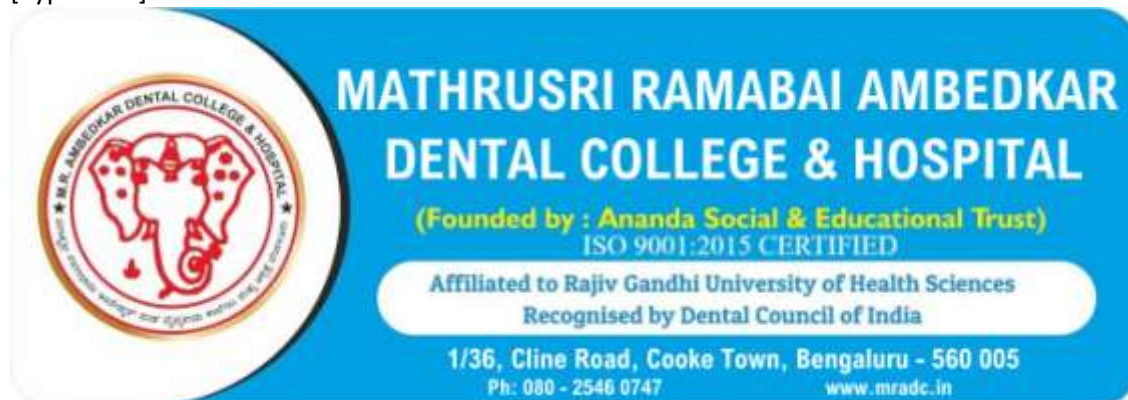
**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about lupus erythematosus,dariersdisease,epidermolysisbullosa and scleroderma	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:** Differences between pre-malignant lesions and conditions of oral cavity

**General objective-**At the end of the session learner will be able to differentiate between pre-malignant lesions and conditions of oral cavity



**Specific learning objective-**

- 1.) Definition,describe in detail about various premalignant lesions of oral cavity
- 2.) Definition,describe in detail about various premalignant conditions of oral cavity
- 3.)Differences between pre-malignant lesions and conditions of oral cavity

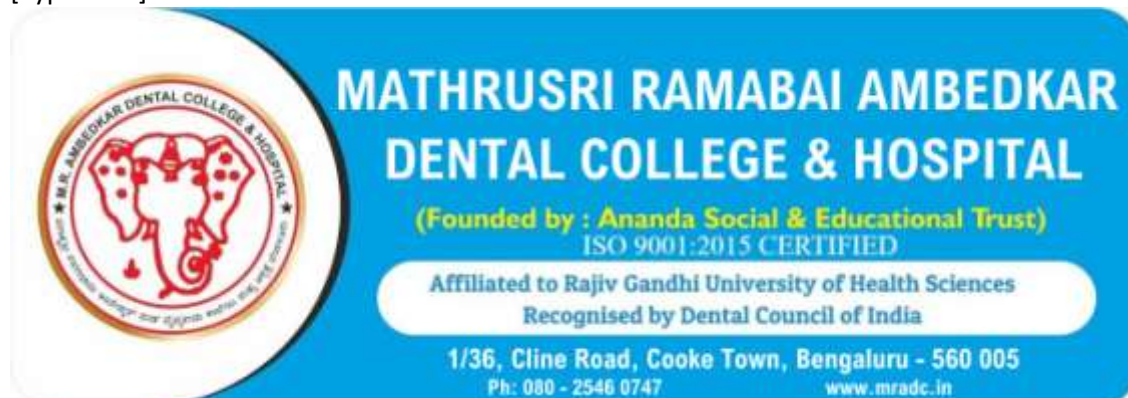
**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about premalignant lesions and conditions of oral cavity	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## LESSON PLAN

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:**Benign tumors of epithelial origin of oral cavity

**General objective-**At the end of the session learner will be enumerate various benign tumors of epithelial origin.

**Specific learning objective-**

- 1.) Definition and differences between benign and malignant tumors of oral cavity.
- 2.) squamous papilloma, keratoacanthoma, leukoplakia disease-pathogenesis, clinical features and histopathology

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about benign tumors of oral cavity of epithelial origin	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment



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### Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1 hour**

**Topic:** Malignant tumors of epithelial origin

**General objective-**At the end of the session learner will be able to name the malignant tumors of epithelial origin and histopathologically diagnose various malignant tumors of oral cavity



**Specific learning objective-**

- 1.) Squamous cell carcinoma-etiology,clinicalfeatures,histopathology and treatment .
- 2.) Basal cell carcinoma-etiology,clinicalfeatures,histopathology and treatment

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Malignant tumors of epithelial origin	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic: Malignant melanoma**

**General objective-**At the end of the session learner will be able to differentiate between malignant melanoma and oral nevi both clinically and histopathologically.

**Specific learning objective-**

- 1.) Malignant melanoma- etiology, clinical features, histopathology and treatment .
- 2.) Oral nevi a benign tumor differentiated from malignant melanoma

**Induction time-30 to 40 min.**

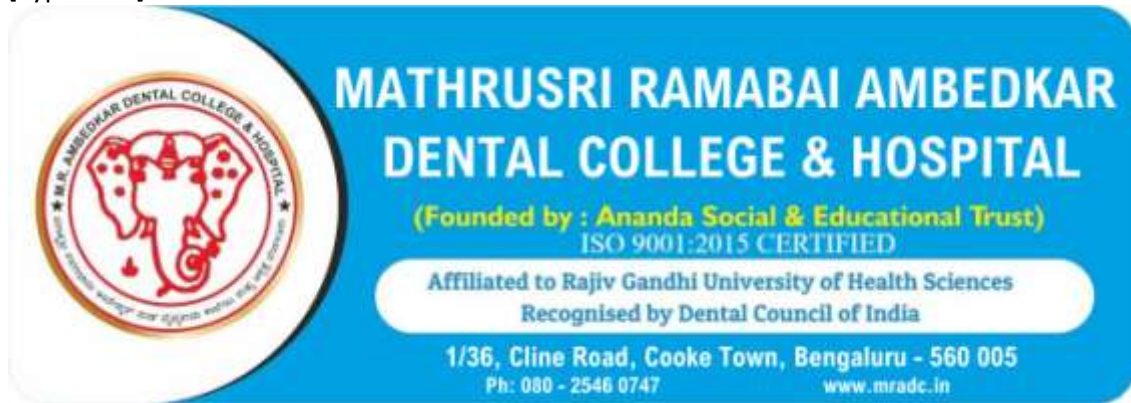
Objective	Method/medium	Assessment	Time
To make the student learn about malignant melanoma and oral nevi	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment



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## Lesson plan

Class - 3<sup>RD</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

**Topic:Benigtumors of connective tissue origin**

**General objective-**At the end of the session learner will be able to enumerate fibroblasts,bone ,cartilage tumors from their respective origin

**Specific learning objective-**

- 1.) Fibroma,giant cell fibroma,central giant cell granuloma,peripheral giant cell granuloma,ossifying fibroma.
- 2.)Osteoma,osteoblastoma
- 3.)Chondroma

**Induction time-**30 to 40 min.



Objective	Method/medium	Assessment	Time
To make the student learn about various benign tumors of fibroblasts.bone and cartilage origin	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:Benigtumors of connective tissue origin**

**General objective-**At the end of the session learner will be able to enumerate benign tumours arising from nerve,bloodvessels,lymphatics,muscles

**Specific learning objective-**

- 1.)Traumaticneuroma,neurofibroma,neurilemomma,Neurofibromatosis
- 2.)haemngioma,lymphangioma,hemangiopericytoma
- 3.)Rhabdomyoma



**Induction time-30 to 40 min.**

<b>Objective</b>	<b>Method/medium</b>	<b>Assessment</b>	<b>Time</b>
To make the student learn about various benign tumors of nerve,bloodvessels,lymphatics,muscles	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:Malignanttumors of connective tissue origin**

**General objective-**At the end of the session learner will be able to enumerate malignant tumours arising from fibroblasts,bone,cartilage

**Specific learning objective-**

- 1.)Fibrosarcoma,osteosarcoma,ewings sarcoma
- 2.)chondrosarcoma

**Induction time-**30 to 40 min.



Objective	Method/medium	Assessment	Time
To make the student learn about various malignant tumors of fibroblasts,bone,cartilage	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

Class - 3<sup>RD</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

Topic: Malignant tumors of connective tissue origin

**General objective-** At the end of the session learner will be able to enumerate malignant tumors arising from blood vessels, nerve, muscle

**Specific learning objective-**

- 1.) Kaposi sarcoma, malignant peripheral nerve sheath tumor
- 2.) Rhabdomyosarcoma



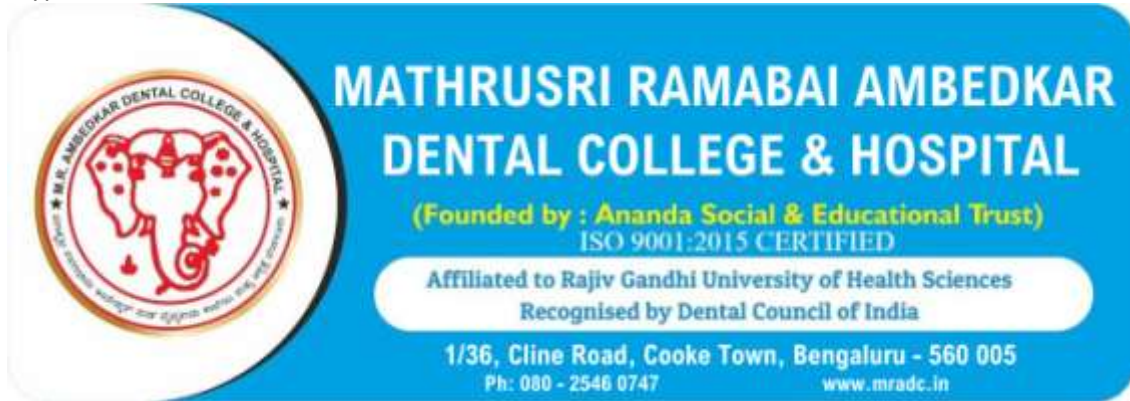
Induction time-30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about various malignant tumors of blood vessels, nerve, muscle	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

Class - 3<sup>RD</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

Topic:Malignanttumors of connective tissue origin

**General objective-**At the end of the session learner will be able to enumerate malignant tumours arising from lymph nodes

**Specific learning objective-**

- 1.)Hodgkins lymphoma
- 2.)Non-hodgkins lymphoma



**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about various malignant tumors of lymph nodes	-lecture -AV Aids	Questionnaire	15 min

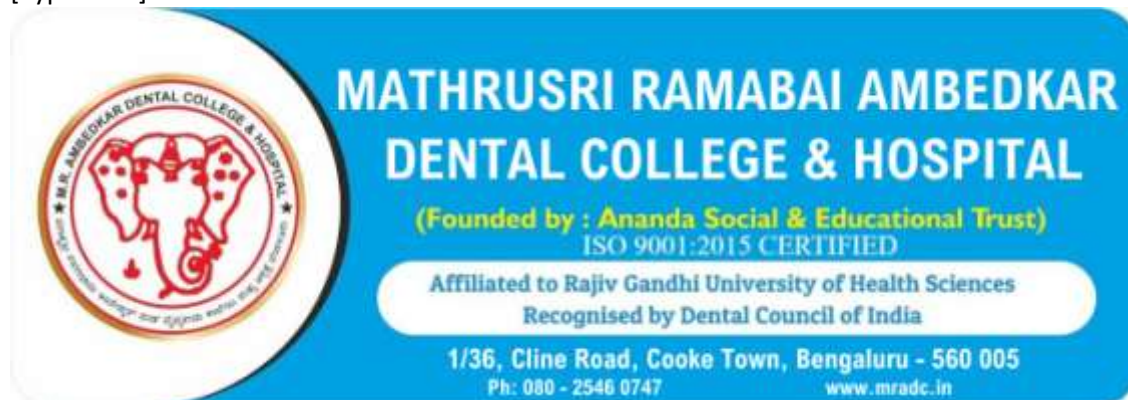
**Conclude-** Assignment

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## LESSON PLAN

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:periodontal diseases**

**General objective-**At the end of the session learner will be able to enumerate classification of periodontal diseases,in detail about ANUG

**Specific learning objective-**

- 1.)Working classification of periodontal diseases
- 2.)etiology,pathogenesis,clinical features and treatment of ANUG



**Induction time-**30 to 40 min.

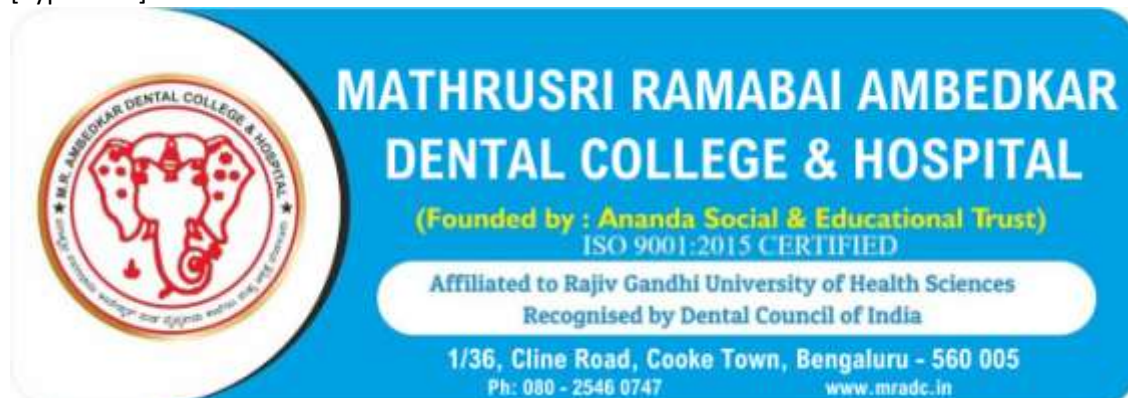
Objective	Method/medium	Assessment	Time
To make the student learn about various forms of periodontal diseases,ANUG	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

Class - 3<sup>RD</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

Topic:periodontal diseases

**General objective-**At the end of the session learner will be able to enumerate gingival enlargement,about formation of plaque,calculus,halitosis

**Specific learning objective-**

- 1.)classification of gingival enlargement,composition and formation of plaque
- 2.)Different form of calculus,causes and methods of diagnostic tools for halitosis

Induction time-30 to 40 min.



Objective	Method/medium	Assessment	Time
To make the student learn about various forms of gingival enlargement,plaque and calculus,halitosis	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:periodontal diseases**

**General objective-**At the end of the session learner will be able to enumerate periodontitis,lateral periodontal abscess

**Specific learning objective-**

- 1.)classification of periodontitis
- 2.)lateral periodontal abscess



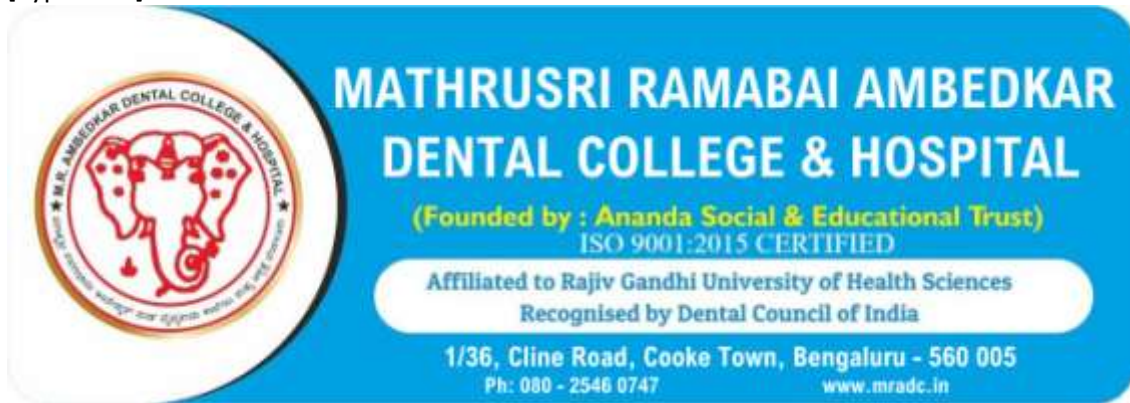
**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about various forms of periodontitis,lateral periodontal abscess	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment

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## DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

### LESSON PLAN

#### II BDS

#### TOPIC :INTRODUCTION TO PRECLINICALS

Time allotted: 1 hour

Objective :

- Introduction to preclinical syllabus
- Chair-side positions
- Hand instruments
- Fundamentals of cavity preparation
- Types of restoration
- Matrix band & retainer



Set induction time: 5mins

Method/medium: AV aids/ lecture

Assessment: Questionnaire

Time: 45mins

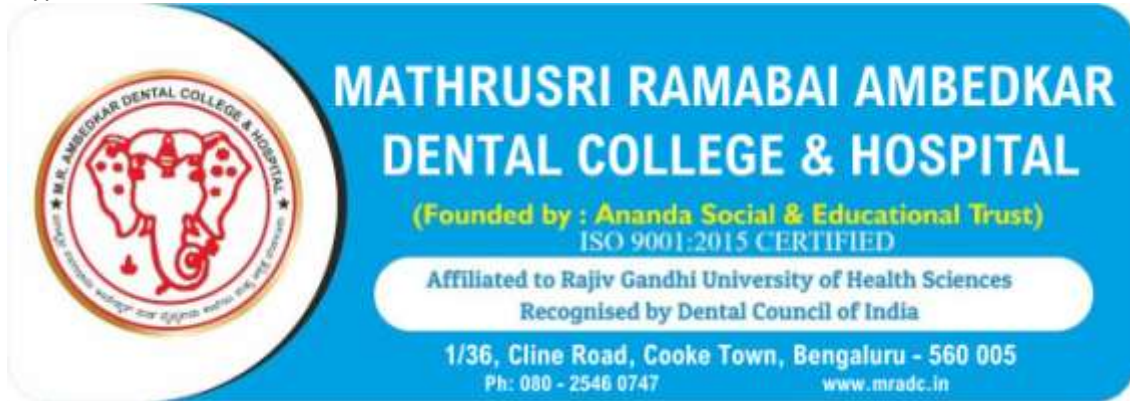
Conclusion: at the end of the session learner should understand the syllabus.

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## TOPIC :FUNDAMNETALS OF CAVITY PREPARATION – CLASS I

Time allotted: 1 hour

Objective :

- Introduction to the topic
- Cavity design
- Burs to be used
- Manipulation of amalgam
- Restoration
- Waste disposal ( amalgam)
- conclusion

Set induction time: 5mins

Method/medium: AV aids/ lecture

Assessment: Questionnaire

Time: 45mins

Conclusion: at the end of the session learner should achieve set objectives.

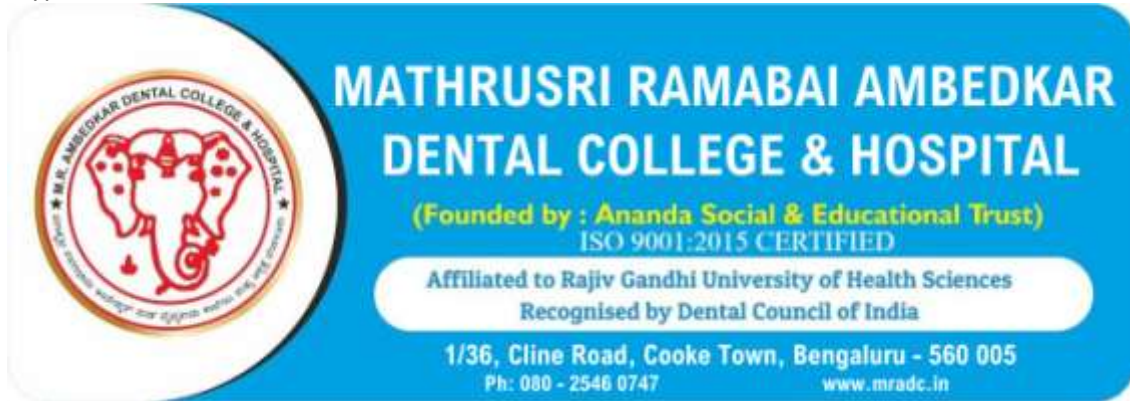


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**TOPIC : FUNDAMENTALS OF CAVITY PREPARATION – CLASS II**

Time allotted: 2 hours

Objective :

- Introduction to the topic
- Cavity design
- Burs to be used
- Dental base application
- Application of matrix band and retainer
- Manipulation of amalgam
- Restoration
- conclusion

Set induction time: 5mins

Method/medium: AV aids/ lecture

Assessment: Questionnaire

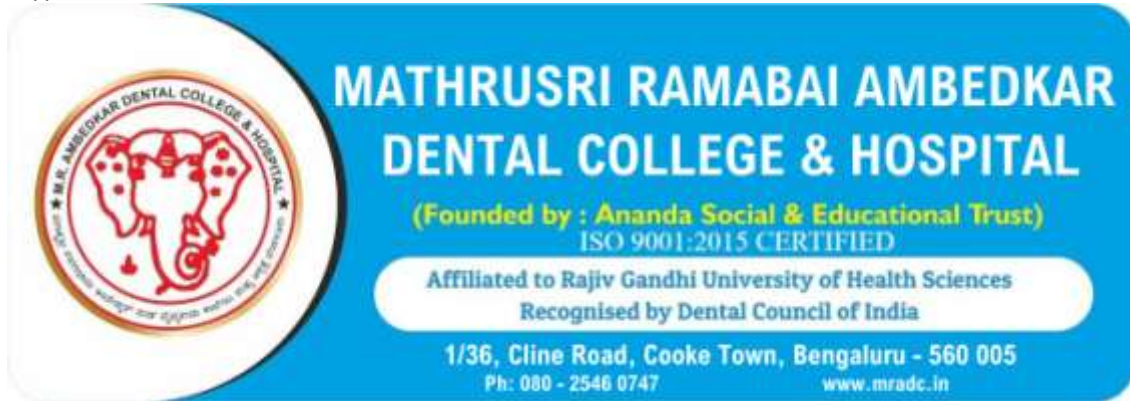
Time: 90mins

Conclusion: at the end of the session learner should achieve set objectives.



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## TOPIC : MATRIX BAND AND RETAINERS

Time allotted: 2 hours

Objective :

- Introduction to the topic
- Need for matrix band
- Need for matrix band retainers
- Classification of matrix bands
- Classification of retainers
- Application of matrix band and retainer
- conclusion

Set induction time: 5mins

Method/medium: AV aids/ lecture

Assessment: Questionnaire

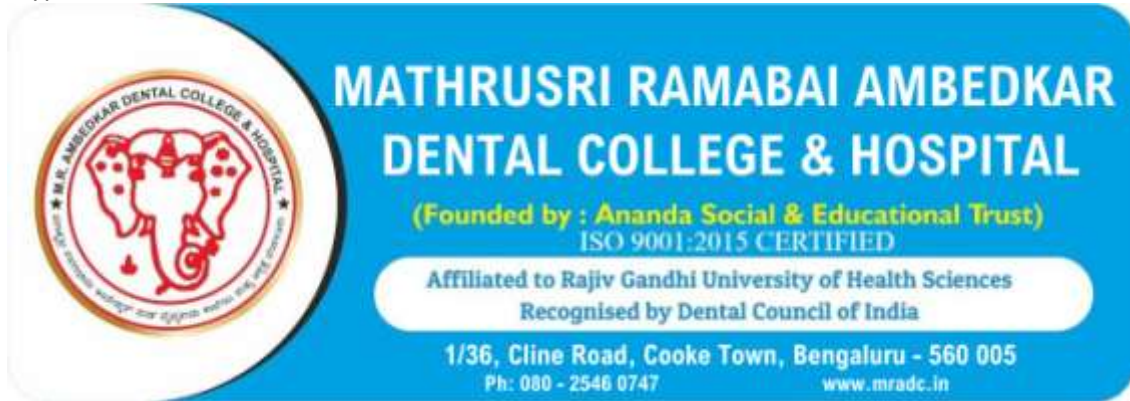
Time: 90mins

Conclusion: at the end of the session learner should achieve set objectives.



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## TOPIC : WEDGE AND WEDGING TECHNIQUES

Time allotted: 1 hour

Objective :

- Introduction to the topic
- Need for wedge
- Classification of wedges
- Wedging techniques
- conclusion

Set induction time: 5mins

Method/medium: AV aids/ lecture

Assessment: Questionnaire

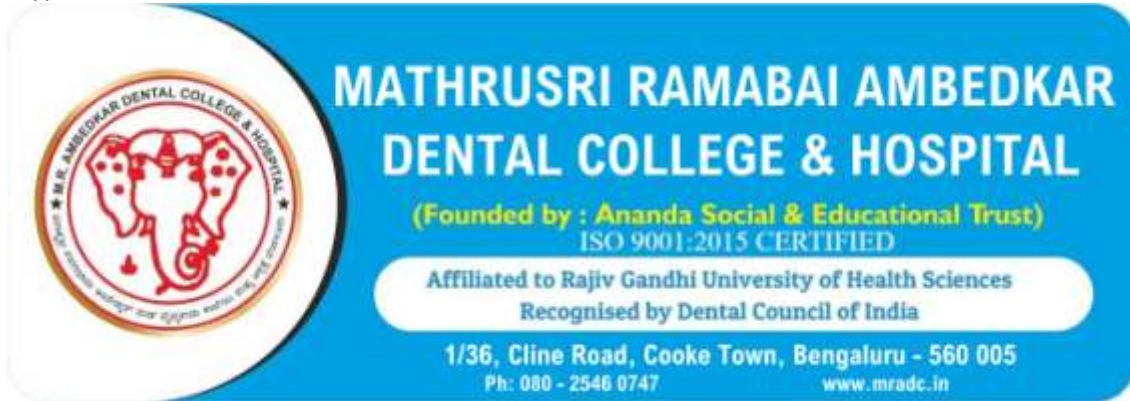
Time: 45mins

Conclusion: at the end of the session learner should achieve set objectives.



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## LESSON PLAN

### III BDS

#### TOPIC :PIN RETAINED RESTORATIONS

Time allotted: 1 hour

Objective :

- Introduction
- Retentive Pins
- Indications And Contraindications Of Pin Retained Restorations
- Advantages And Disadvantages
- Cavity Preparation
- Matrix Placement
- Failure Of Pin Retained Restorations

Set induction time: 5mins

Method/medium: AV aids/ lecture

Assessment: Questionnaire

Time: 45mins

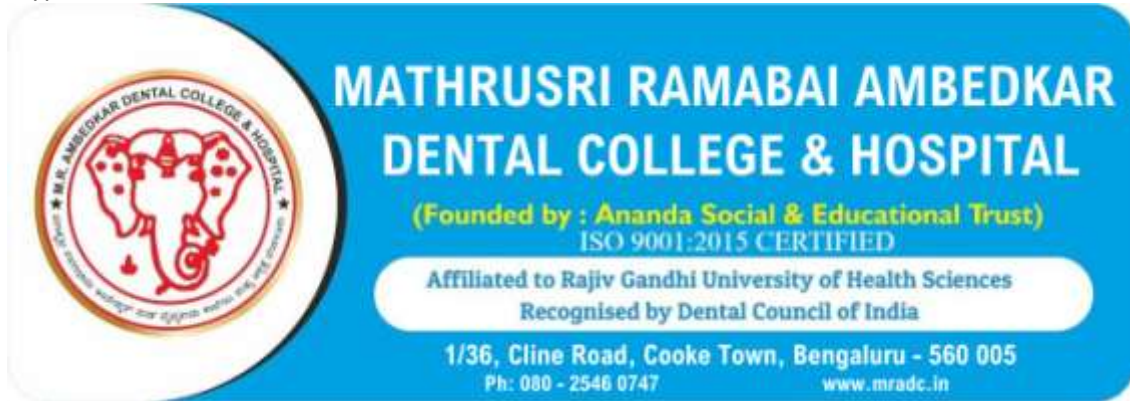
Conclusion: at the end of the session learner should understand the syllabus.



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## Topic 1. Cast restorations:

### Session 1:

#### Objective:

- indications and contraindications
- advantages and disadvantages
- materials used for casting
- class II cavity preparation for inlays.
- Types of bevels in cast restoration.

Set induction time:10mins

Method/medium :AV aids

Assessment :questionnaire

Time :45mins

Conclusion: to achieve the set objectives.

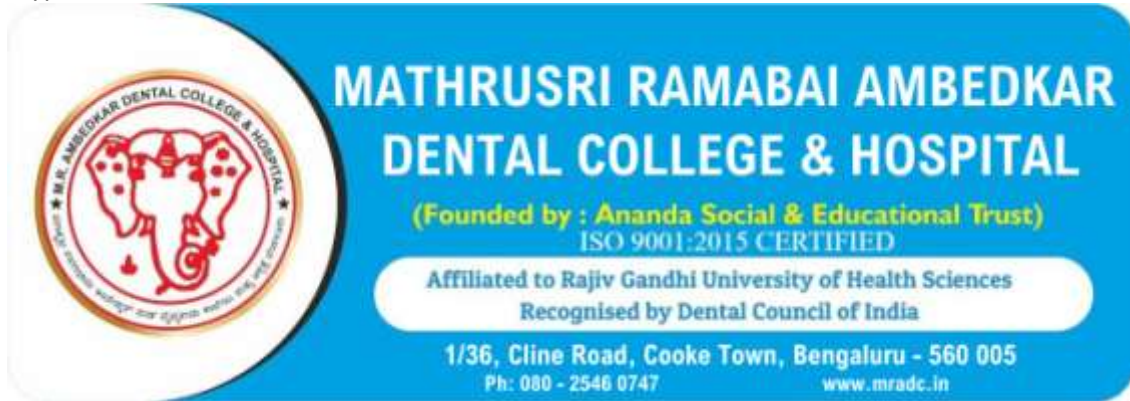


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## **Session 2:**

### **Objective:**

Differences in tooth preparation for amalgam and cast restorations

Indications, contraindications, advantages and disadvantages of the material used for class II class I cavity preparation for inlays

-Fabrication of wax patterns

-spruing

-Investing

Set induction time:10mins

Method/medium : AV aids

Assessment :questionnaire

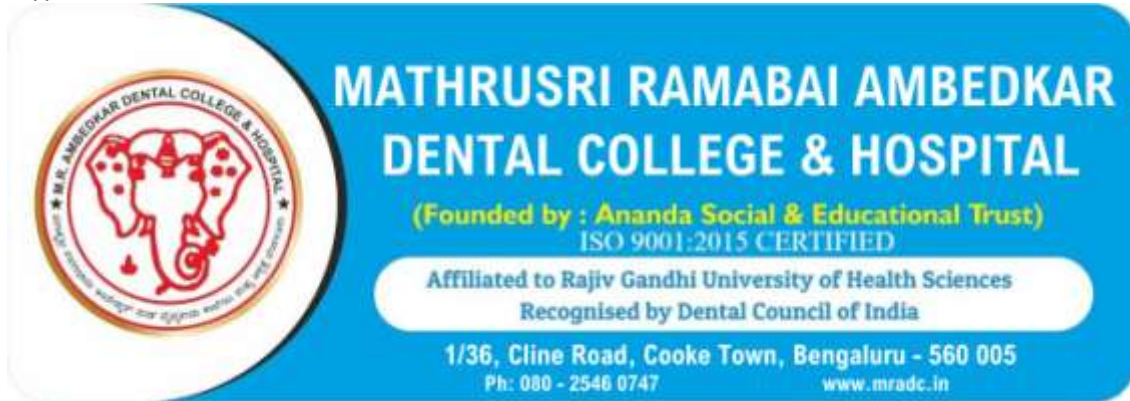
Time :45mins

Conclusion: to achieve the set objectives.



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### **Session 3**

#### **Objective:**

-casting procedures

-Types of casting defects

Set induction time:10mins

Method/medium :AV aids

Assessment :questionaire

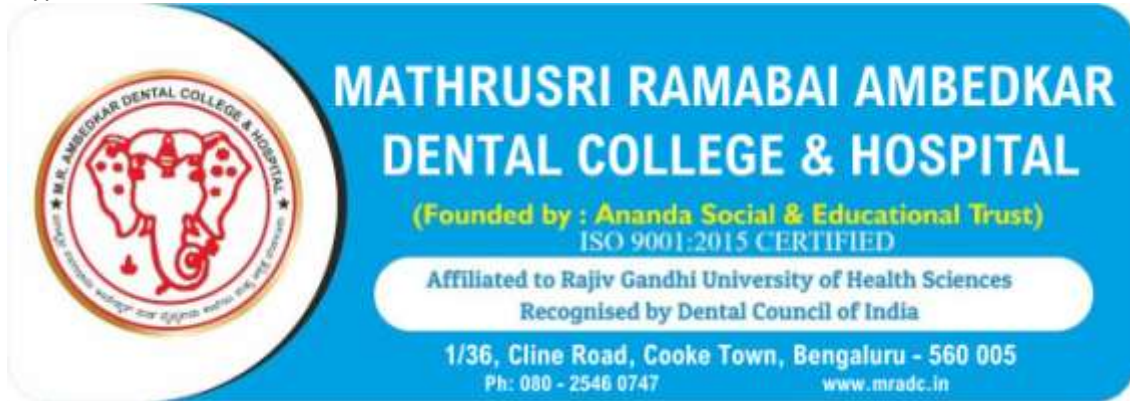
Time :45mins

Conclusion: to achieve the set objectives.



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## **Topic 2.Casting**

### **Session 1**

#### **Objective:**

-Die materials

-Preparation of dies

-Refractory materials

-Alloys used for casting

Set induction time:5mins

Method/medium :AV aids

Assessment :questionnaire /viva

Time :45mins

Conclusion: to achieve the set objectives.

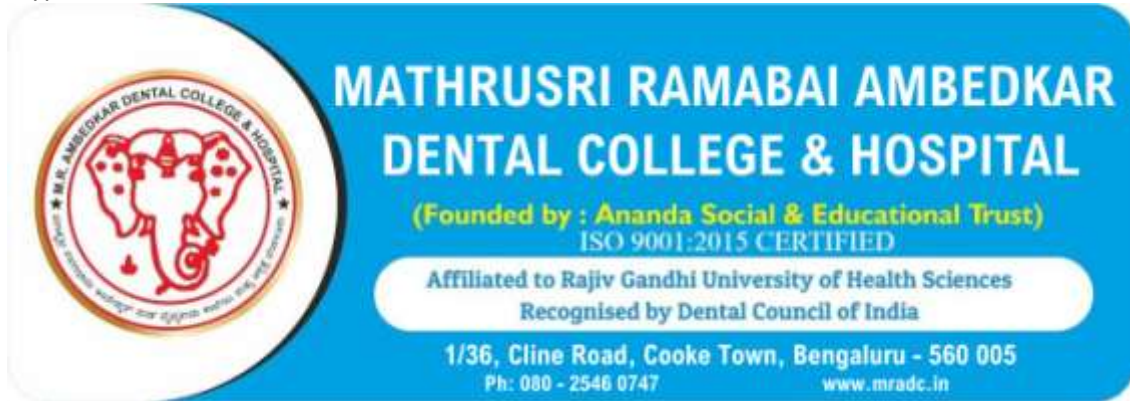


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## **Session 2**

### **Objective:**

-Casting machines

-Casting procedures.

-Casting defects

-Cementation of restoration.

Set induction time: 5 mins

Method/medium : AV aids

Assessment :questionnaire /viva

Time : 45 mins

Conclusion: to achieve the set objectives.




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**Topic :Temporization and interim restoration**

**Objective:**

-Materials used for temporization.

-Procedures for temporization.

Set induction time:5mins

Method/medium :AV aids

Assessment :questionnaire /viva

Time :45mins

Conclusion: to achieve the set objectives.

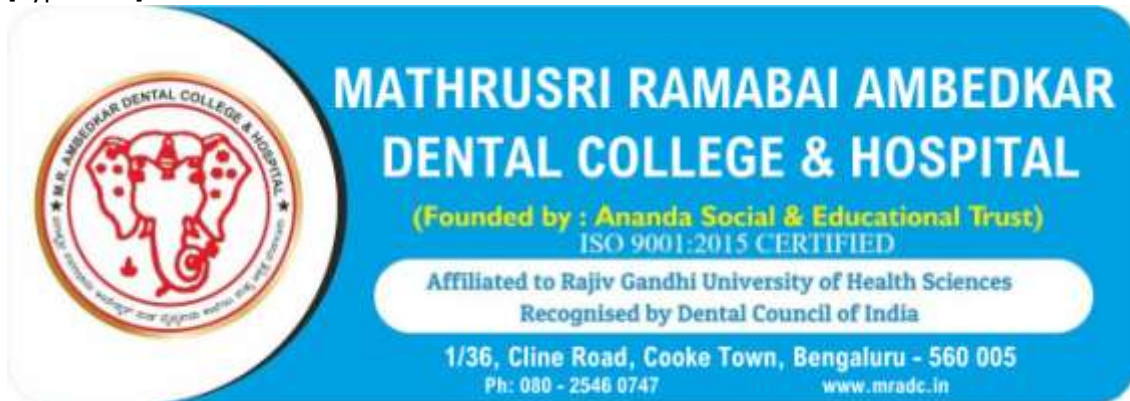


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**Topic: Esthetics in dentistry:**

**Session 1:**

**Objective:**

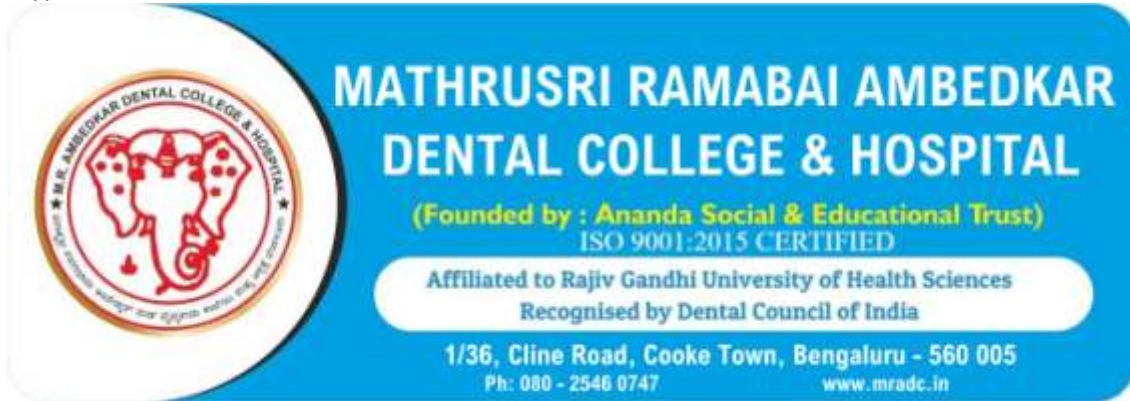
- Introduction and scope.
  - Anatomy and physiology of smile.
  - Role of colour and translucency
- Set induction time:5mins  
Method/medium :AV aids  
Assessment :questionnaire /viva  
Time :45mins  
Conclusion: to achieve the set objectives.



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## **Session 2:**

### **Objective:**

- Esthetic recontouring
- Alteration of tooth form , shape, size and colour

Set induction time:5mins

Method/medium :AV aids

Assessment :questionnaire /viva

Time :45mins

Conclusion: to achieve the set objectives.

## **Session 3:**

### **Objective:**

- Causes of discolouration
- Management of discoloured tooth
- vital and non vital bleaching
- Direct and indirect composite veneers
- Ceramic veneers
- Crowns

Set induction time:5mins

Method/medium :AV aids

Assessment :questionnaire /viva

Time :45mins

Conclusion: to achieve the set objectives.



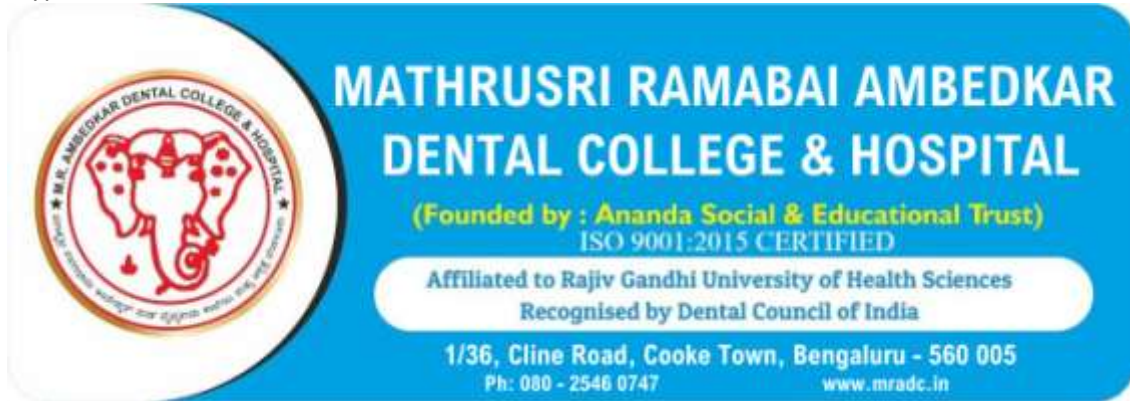
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## **Topic: Composite restorations**

### **Session 1:**

#### **Objective:**

-Recent advances in posterior composite resins.

-Indications and contraindications.

-Advantages and disadvantages.

Set induction time:5mins

Method/medium :AV aids

Assessment :questionnaire /viva

Time :45mins

Conclusion: to achieve the set objectives.

### **Session 2:**

#### **Objective:**

-Clinical techniques for posterior direct composite restoration.

Set induction time:5mins

Method/medium :AV aids

Assessment :questionnaire /viva

Time :45mins

Conclusion: to achieve the set objectives.

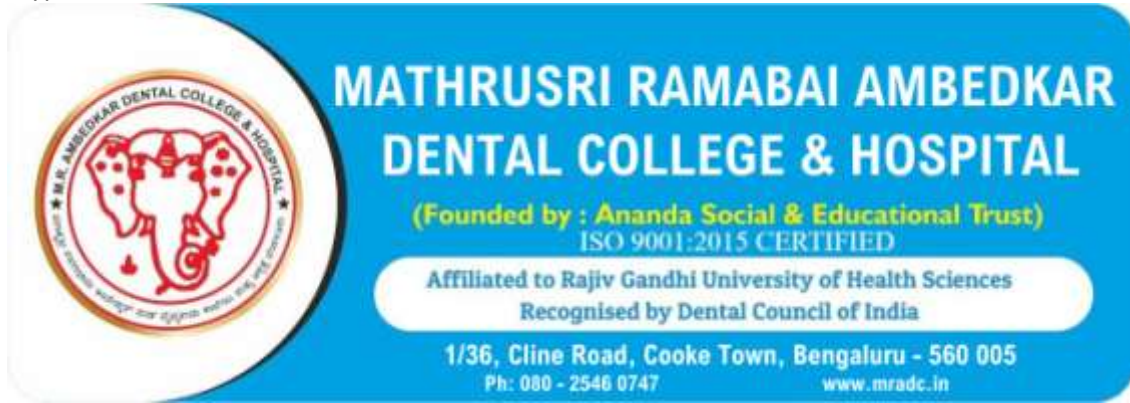


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### **Session 3:**

#### **Objective:**

-Finishing and polishing of composite restoration

-Indirect posterior composite restoration

Set induction time:5mins

Method/medium :AV aids

Assessment :questionnaire /viva

Time :45mins

Conclusion: to achieve the set objectives.

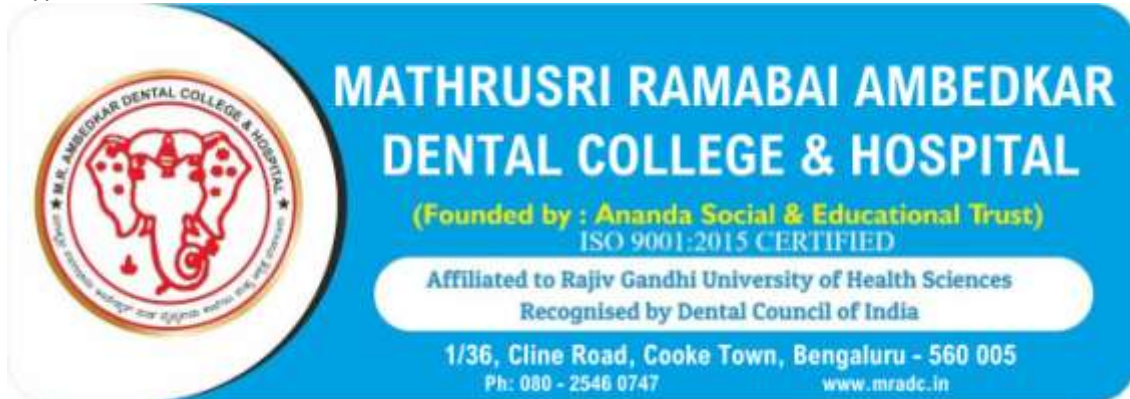
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## **1. TOPIC : INTRODUCTION TO PROSTHODONTICS – Masticatory Apparatus and Function**

DOMAIN : COGNITIVE

TEACHING/ LEARNING EXPERIENCES

METHOD

MEDIUM

Class room Practical

Aids

LECTURES MODELS

EXPECTED HOURS : 2 hours

NUMBER OF CLASSES : 2

GENERAL OBJECTIVES :

To have an understanding of the anatomical landmarks of maxilla and mandible;  
Muscles of Mastication and Temporomandibular joint.  
To have an overview of Mandibular movements and functions of teeth.

SPECIFIC LEARNING OBJECTIVES:

At the end of the session, the learners should be able to:

1. List the anatomical landmarks of maxilla and mandible
2. Differentiate between stress bearing and non-stress bearing areas
3. Enumerate Muscles of Mastication and functions
4. Identify parts of TMJ, Muscle attachments and functions of TMJ
5. Differentiate between functional and parafunctional movements
6. List the determinants of Mandibular movements
7. Classify Mandibular movements
8. Enumerate functions of teeth.

INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

CONCLUDE : HANDOUTS

FACULTY: Dr. Hariprasad A

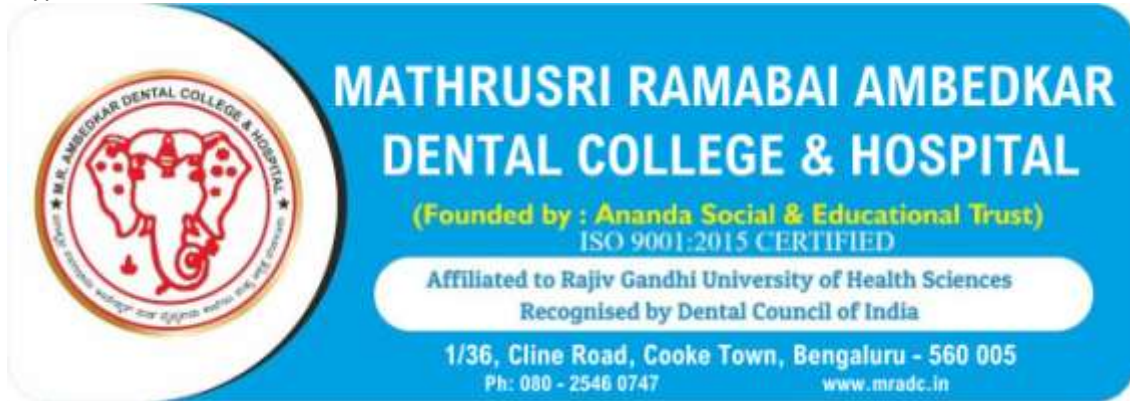


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2. TOPIC : INTRODUCTION TO PROSTHODONTICS – Various branches of Prosthodontics and Prosthesis

DOMAIN : COGNITIVE  
LEARNING EXPERIENCES

TEACHING/

METHOD

MEDIUM

Class room Practical

Aids

Theory class Models, Demonstration

A-

V aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

GENERAL OBJECTIVES : To have an understanding of Prosthodontics and its various branches ; treatment modalities and options offered.

SPECIFIC LEARNING OBJECTIVES:

At the end of the session, the learners should be able to:

1. Define Prosthodontics
2. Enumerate various branches of Prosthodontics
3. List the scope and limitations of Prosthodontics
4. Differentiate between appliance and prostheses and know the applications of both.
5. Differentiate between dental and non- dental prostheses

INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

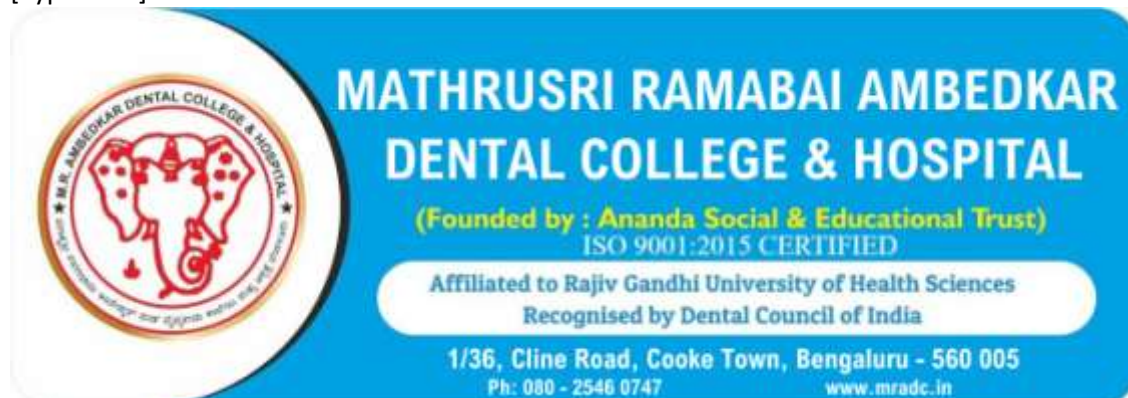
CONCLUDE : HANDOUTS

FACULTY: Dr. Hariprasad A



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**3. TOPIC : INTRODUCTION TO PROSTHODONTICS – Effect of loss of teeth**

DOMAIN : COGNITIVE  
LEARNING EXPERIENCES

TEACHING/

METHOD

MEDIUM

Class room Practical Aids

Theory class Models, Poster AV aids,

Board

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

GENERAL OBJECTIVES : To have a brief understanding of effect of loss of teeth

SPECIFIC LEARNING OBJECTIVES:

At the end of the session, the learners should be able to:

1. Discuss the effect of loss of teeth on general health
2. Discuss the effect of loss of teeth on masticatory apparatus
3. Enumerate the need to replace lost teeth
4. List methods to improve the effect of loss of teeth on facial structures and masticatory apparatus

INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

CONCLUDE : HANDOUTS

FACULTY: Dr. Hariprasad



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**4.TOPIC : INTRODUCTION TO PROSTHODONTICS – Outline of Prosthodontics**

DOMAIN : COGNITIVE  
LEARNING EXPERIENCES

TEACHING/

METHOD

MEDIUM

Class room Practical

Aids

Theory class Poster

AV aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

GENERAL OBJECTIVES : To have an understanding of the various types of prosthesis and general requirements of prosthesis

SPECIFIC LEARNING OBJECTIVES:

At the end of the session, the learners should be able to:

1. Enumerate and classify the types of prostheses
2. Discuss the physical, biologic and esthetic requirements and considerations in prostheses

INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

CONCLUDE : HANDOUTS

FACULTY: Dr. Hariprasad A

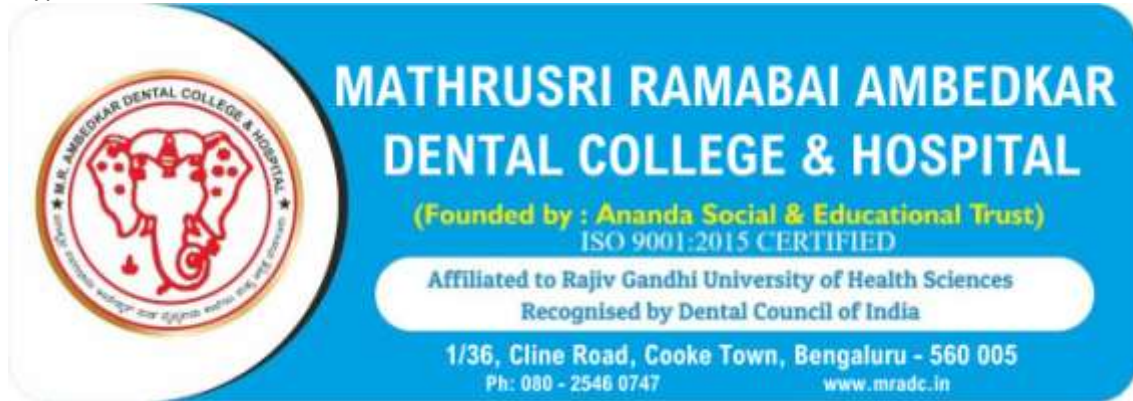


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**5. TOPIC : Introduction to components of Prosthesis: Complete Denture Prosthesis**

DOMAIN : COGNITIVE  
LEARNING EXPERIENCES

TEACHING/

METHOD

MEDIUM

Class room Practical

Aids

Theory class Models, Poster

AV aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

GENERAL OBJECTIVES : To have an understanding of the various surfaces and parts of a complete denture prosthesis

SPECIFIC LEARNING OBJECTIVES:

At the end of the session, the learners should be able to:

1. Define the surfaces of a complete denture and significance of various surfaces
2. Describe the parts of the complete denture prosthesis and significance of each part
3. Enumerate materials used for fabricating complete denture prosthesis
4. Classify denture teeth based on material and morphology



INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

CONCLUDE : HANDOUTS

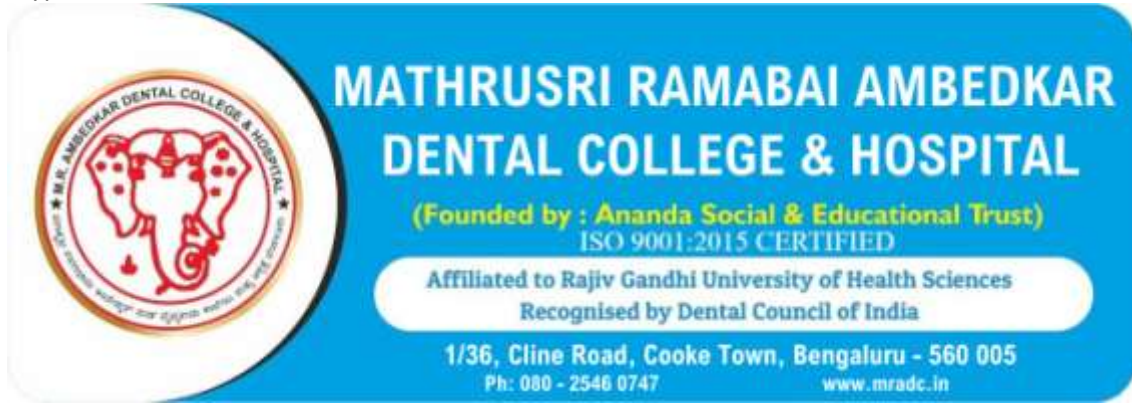
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6.TOPIC : Introduction to components of Prosthesis: Removable Partial Denture

DOMAIN : COGNITIVE  
LEARNING EXPERIENCES

TEACHING/

METHOD

MEDIUM

Class room Practical

Aids

Theory Class

Models, Poster

A V aids

EXPECTED HOURS : 2 hour

NUMBER OF CLASSES : 2

General Objective: To have an overview of Removable Prosthodontics, Classification and Components.

Specific Learning Objectives : At the end of the session, the learners should be able to:

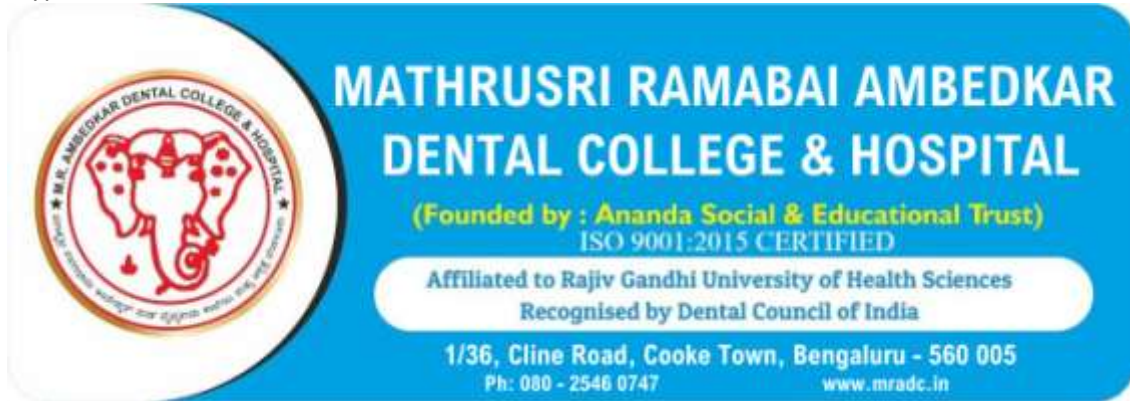
1. Define Removable Prosthodontics
2. List the indications of Removable Prosthodontics
3. Classify edentulous spaces
4. Explain in detail Kennedy's Classification, Applegate's modifications
5. Classify edentulous spaces given by other authors
6. Define Major connectors
7. List the requirements of Major Connectors
8. Describe in detail Maxillary major connectors and mandibular major connectors
9. Define Minor Connectors and list the different types of minor connectors with design considerations
10. Define Direct retainers
11. Classify Direct retainers and explain in detail the functions and requirements
12. Enumerate the different types of direct retainers
13. Define Rests



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14. Discuss general considerations, indications, classification, and functions of rest.
15. Define Indirect Retainers
16. Discuss factors affecting effectiveness of Indirect retainer
17. Enumerate principles of indirect retainers
18. List and describe in detail types of indirect retainers
19. Define denture bases. Describe types of denture bases and advantages and disadvantages of various types of denture bases
20. Enumerate requirements of denture bases
21. Enumerate types of artificial teeth
22. List the advantages and disadvantages of various types of artificial teeth.
23. Discuss various types of bonding between teeth and denture base.

INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

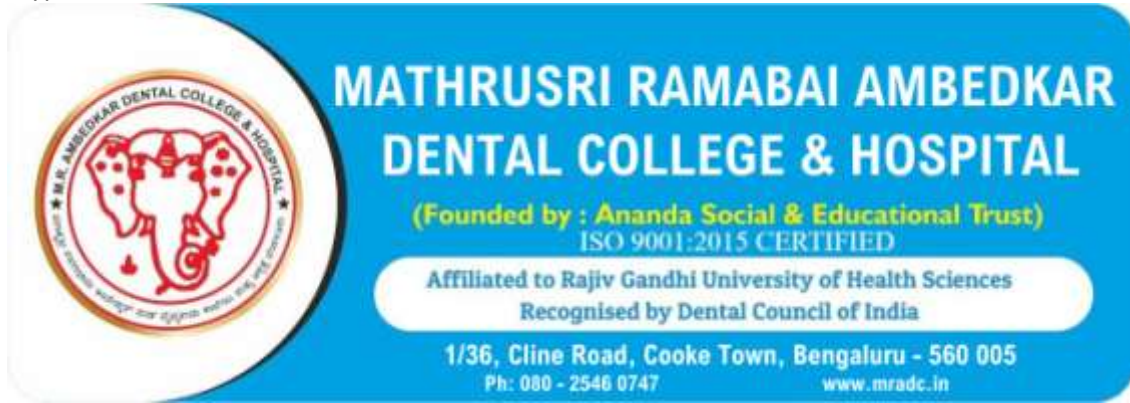
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TOPIC : Introduction to components of Prosthesis: Fixed Partial denture

DOMAIN : COGNITIVE

TEACHING/ LEARNING EXPERIENCES

	METHOD	MEDIUM
	Class room Practical	Aids
	Theory Class	Models, Poster A V aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To have an understanding of Fixed Partial Prosthodontics and know the various components of a FPD.

Specific Learning Objectives : At the end of the session, the learners should be able to:

1. Define FPD
2. Define, Classify and Ennumerate various types of Retainers
3. Define and Classify Pontics
4. Ennumerate requirements of Pontics and types of Pontics
5. Define Connectors
6. Classify Connectors
7. Ennumerate different types of Connectors and give examples

INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

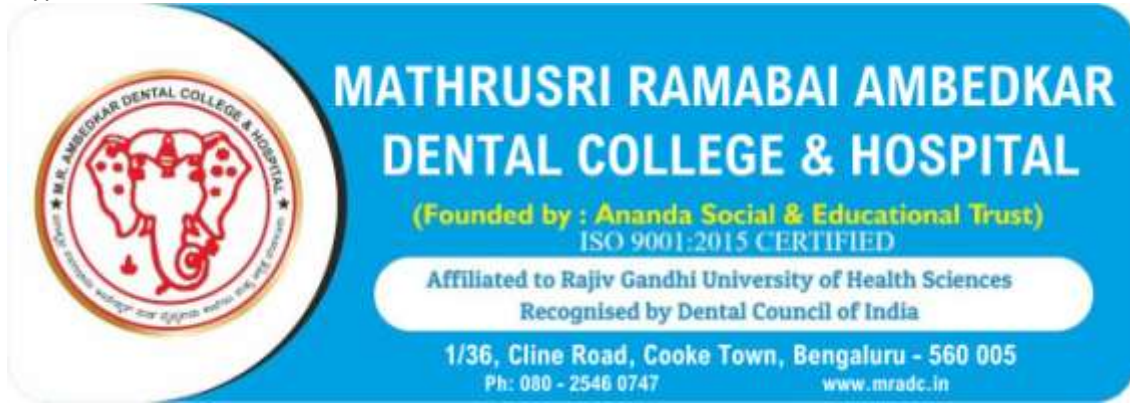
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8. TOPIC : Terminologies in Prosthodontics

DOMAIN : COGNITIVE

TEACHING LEARNING EXPERIENCES

METHOD	MEDIUM
Class room Practical	Aids
Theory Class	Models, Poster A V aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To have an understanding of various components used in dentistry

SLO: At the end of the session, the learners should be able to:

1. Differentiate between cast and model
2. Define Impression and know in detail about various impressions made
3. Define occlusion rim and enumerate uses and dimension specifications of Occlusion rims
4. Explain steps involved in fabrication of occlusion rim
5. Define denture bases. Differentiate between temporary and permanent denture bases.
6. Define occlusion and know in brief about types of occlusion
7. Enumerate compensatory curves and know the significance of the same.
8. Define facebow , enumerate uses and parts of facebow
9. Define articulator and know in brief uses, classification of articulators.
10. Define Jaw relation and know the various types of jaw relation recorded.
11. Describe Christenson's phenomenon.
12. Define key of occlusion
13. Define balanced occlusion
14. Define abutment, crown, pontic

INDUCTION TIME : 15 MINS

ASSESSMENT : ORAL TEST, WRITTEN TEST

CONCLUDE : HANDOUTS

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### 9.TOPIC : Mouth Preparation in Complete Denture

DOMAIN : COGNITIVE  
LEARNING EXPERIENCES

TEACHING/

METHOD

MEDIUM

Class room Practical

Aids

Theory Class

Models, Poster

A V aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To have an overview of various procedures done to improve denture bearing foundations for edentulous patients

Specific Learning Objectives:

At the end of the session, the learners should be able to:

1. Enumerate the objectives of preprosthetic surgical prescriptions
2. List and describe in detail the surgical correction of conditions that preclude optimal prosthetic function.
3. Discuss the surgical procedures for enlargement of denture bearing areas
4. List and describe procedures for correcting discrepancies in jaw size.
5. Explain in detail replacement of tooth roots with osseointegrated dental implants.

INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

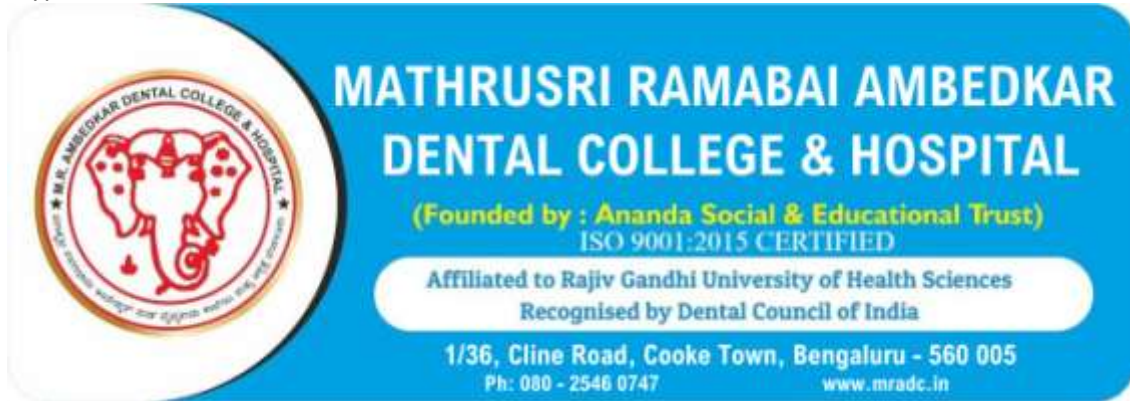
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10.TOPIC : Mouth Preparation in Removable Partial Denture

DOMAIN : COGNITIVE

TEACHING/ LEARNING EXPERIENCES

METHOD

MEDIUM

Class room Practical

Aids

Theory Class

Models, Poster A V aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To have an understanding of various prosthetic preparatory procedures done to modify existing structures to enhance the placement of the prostheses.

Specific Learning Objective: At the end of the session, the learners should be able to:

1. List the various methods of Prosthetic mouth preparation used in RPD cases
2. Enumerate various methods used in preparation of retentive undercuts
3. Explain design position and purpose of a guide plane
4. Describe in detail the preparation of guide plane
5. Have an understanding of general considerations in fabrication of a RPD
6. Have an understanding of undercuts, path of insertion and the need to eliminate undercuts
7. List the methods used in elimination of undercuts
8. Enumerate methods of modifying contours of the abutments

INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

CONCLUDE : HANDOUTS

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11. TOPIC : FIXED PARTIAL DENTURE – Mouth Preparation in brief

DOMAIN : COGNITIVE

TEACHING/ LEARNING EXPERIENCES

METHOD

MEDIUM

Class room Practical

Aids

Theory Class

Models, Poster A V

aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To have an understanding of principles of tooth preparation and retainers

Specific Learning Objective : At the end of the session, the learners should be able to:

1. Enumerate and discuss the various principles of tooth preparation.
2. Define and classify Retainers.
3. Discuss the criteria for selecting type of retainers.

INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

CONCLUDE : HANDOUTS

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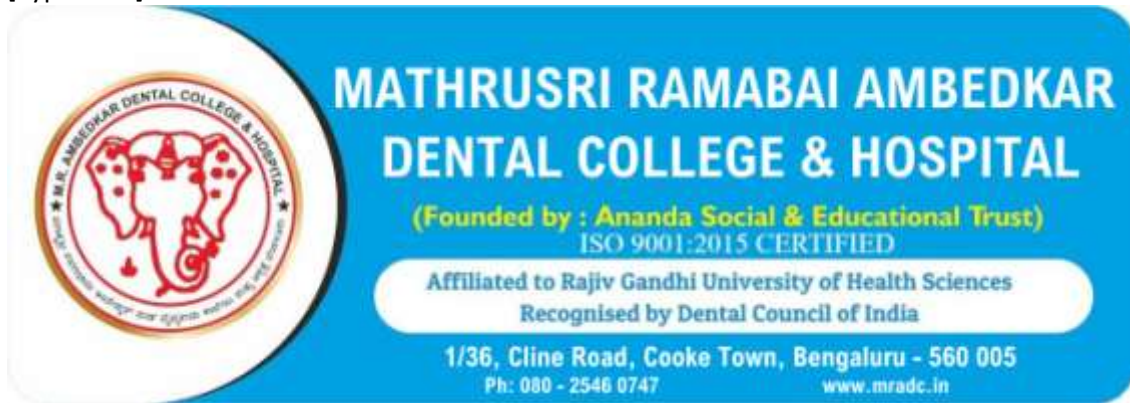


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## 12. TOPIC : Impression

DOMAIN : COGNITIVE  
LEARNING EXPERIENCES

TEACHING/

METHOD

MEDIUM

Class room Practical

Aids

Theory Class

Models, Poster

A V aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To have an understanding of impressions, impression materials and theories of impression making

Specific Learning Objective: At the end of the session, the learners should be able to:

1. Define Impression
2. Classify impressions
3. Discuss principles of impression making
4. List and describe in detail objectives of impression making
5. Enumerate materials used for impression making
6. Describe in detail theories of impression making



INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

CONCLUDE : HANDOUTS

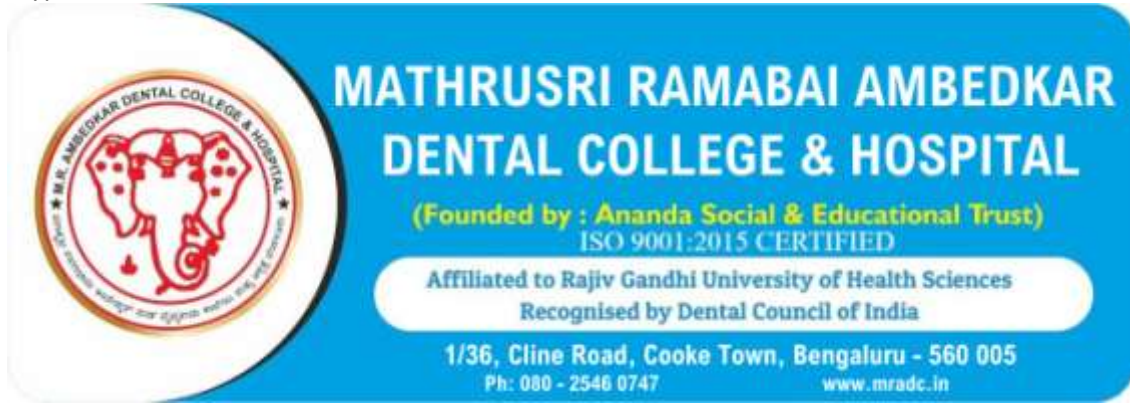
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13. TOPIC : Jaw Relation record

DOMAIN : COGNITIVE  
LEARNING EXPERIENCES

TEACHING/

METHOD

MEDIUM

Class room Practical

Aids

Theory Class

Models, Poster

A V aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To have an overview of maxillo-mandibular jaw relation

SLO: At the end of the session, the learners should be able to:

1. Define Jaw Relation
2. Classify Jaw Relation
3. Define Orientation jaw relation, Vertical jaw relation and Horizontal jaw relation
4. Differentiate between Vertical jaw relation at rest and Vertical jaw relation at occlusion
5. List and explain in brief the various methods of recording jaw relation



INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

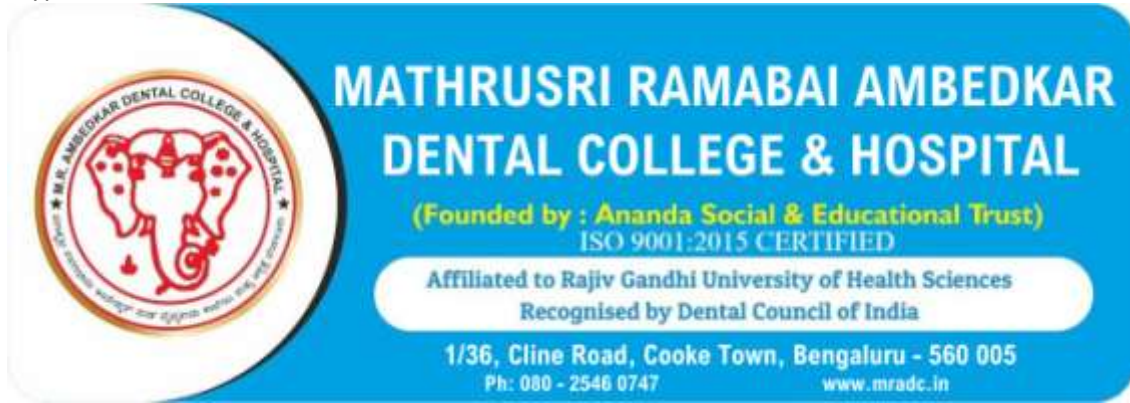
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14. TOPIC : Jaw Relation record

DOMAIN : COGNITIVE

TEACHING/ LEARNING EXPERIENCES

	METHOD	MEDIUM
	Class room Practical	Aids
aids	Theory Class	Models, Poster A V

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To know in detail about temporary denture base and occlusion rims and their clinical application

Specific Learning Objectives: At the end of the session, the learners should be able to:

1. Define temporary denture base
2. List the requirements, indications, contraindications, advantages and disadvantages and materials used for fabrication of temporary denture base
3. Define occlusion rims
4. List the factors controlling the form of occlusion rim
5. Describe in detail the steps involved in the fabrication of occlusion rim
6. Enumerate clinical guidelines for determining the shape of the occlusion rim
7. List the materials used in fabrication of Occlusion rims



INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

CONCLUDE : HANDOUTS

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15.TOPIC : Articulators and Facebow

DOMAIN : COGNITIVE

TEACHING/ LEARNING EXPERIENCES

	METHOD	MEDIUM
	Class room Practical	Aids
aids	Theory Class	Models, Poster A V

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To know in detail about articulators and articulation

SLO: At the end of the session, the learners should be able to:

1. Define articulators
2. List the purpose of an articulator
3. Enumerate uses of an articulator
3. List the requirements of an articulator
4. List the limitations of an articulator
5. Classify articulator
6. Describe the parts of an articulator
7. Know in brief about incisal guidance and condylar guidance
8. Explain the procedure of mounting the maxillary and mandibular cast on articulators



INDUCTION TIME : 15 MINS  
WRITTEN TEST

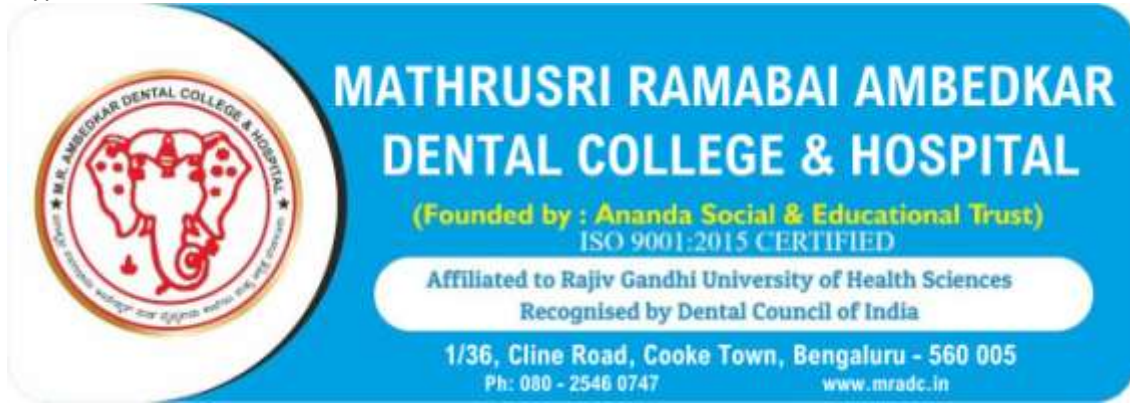
ASSESSMENT : ORAL TEST,

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16. TOPIC : Articulators and Facebow

DOMAIN : COGNITIVE

TEACHING/ LEARNING EXPERIENCES

	METHOD	MEDIUM
	Class room Practical	Aids
aids	Theory Class	Models, Poster A V

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To know in detail about facebows

SLO: At the end of the session, the learners should be able to:

1. Define facebow
2. List the purposes of a facebow
3. List the parts of a facebow
4. Classify facebows
5. Enumerate the advantages and disadvantages of a facebow
6. Explain in detail the transfer of jaw relation record from patient mouth to articulator using facebow.
7. Know in brief about differences between kinematic and arbitrary facebow



INDUCTION TIME : 15 MINS  
WRITTEN TEST

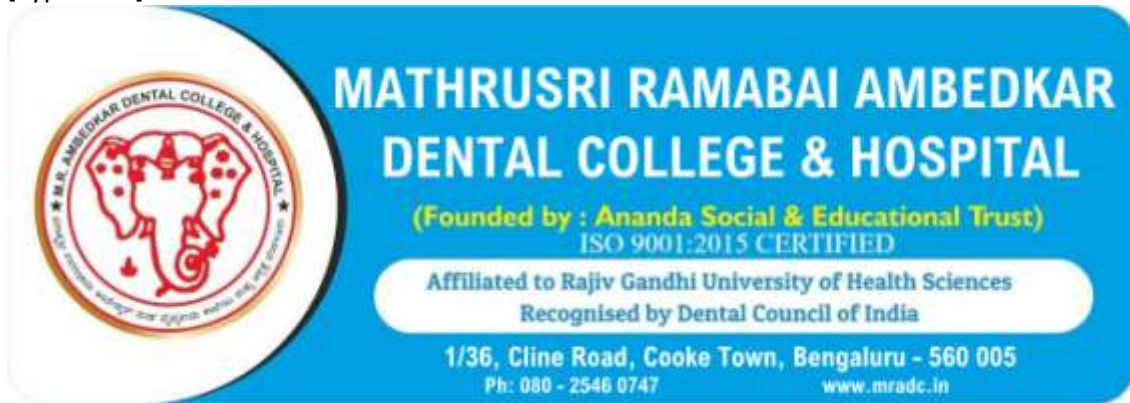
ASSESSMENT : ORAL TEST,

CONCLUDE : HANDOUTS

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17.TOPIC : Selection of teeth

DOMAIN : COGNITIVE

TEACHING/ LEARNING EXPERIENCES

	METHOD	MEDIUM
	Class room Practical	Aids
aids	Theory Class	Models, Poster A V

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To have an overview of selection of teeth for fabrication of complete dentures

SLO: At the end of the session, the learners should be able to:

1. List the objectives in teeth selection
2. Enumerate considerations in teeth selection
3. Explain in brief the factors considered during anterior teeth selection – size, form, colour/ shade
4. Explain in brief the factors considered during posterior teeth selection – size, form
5. Describe in detail Dentogenic concept and Dynesthetics
6. Know in brief selection of teeth based on material
7. Have an understanding of posterior tooth molds and cuspal anatomy

INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

CONCLUDE : HANDOUTS

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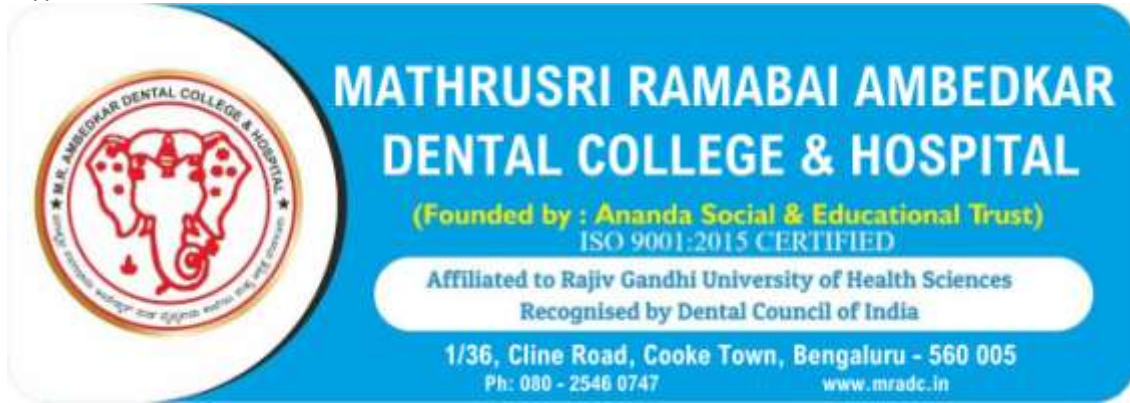


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18. TOPIC : Selection of teeth

DOMAIN : COGNITIVE

TEACHING/ LEARNING EXPERIENCES

	METHOD	MEDIUM
	Class room Practical	Aids
aids	Theory Class	Models, Poster A V

EXPECTED HOURS : 1 hour  
1

NUMBER OF CLASSES :



General Objective: To know in detail about arrangement of teeth in complete dentures

Specific Learning Objective: At the end of the session, the learners should be able to:

1. Enumerate the ten landmarks for complete denture set up
2. List the considerations to be followed during a 'standard anterior arrangement'
3. Explain in detail the principles of arranging mandibular anterior teeth
4. Describe the principles of setting the maxillary anterior teeth.
5. Describe the principles of arranging posterior teeth
6. List the guidelines for determining the number of posterior teeth to be set
7. Define Key of Occlusion and the components.
8. Distinguish between Overjet and Overbite and explain significance in teeth arrangement.
9. Name compensating curves and explain their significance in teeth arrangement.
10. Summarize in brief the other considerations in teeth arrangement – neutral zone, tooth to ridge relation and characterization of dentures.

INDUCTION TIME : 15 MINS  
WRITTEN TEST

CONCLUDE : HANDOUTS

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ASSESSMENT : ORAL TEST,

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## 18. TOPIC : Occlusion

DOMAIN : COGNITIVE

TEACHING/ LEARNING EXPERIENCES

	METHOD	MEDIUM
	Class room Practical	Aids
aids	Theory Class	Models, Poster A V

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To have an overview of Balanced occlusion

SLO: At the end of the session, the learners should be able to:

1. Define occlusion
2. Define Balanced Occlusion
3. Name the concepts of Balanced occlusion
4. Enumerate the factors affecting balanced occlusion.
5. List the components of Hanau's Quint
6. Explain in detail the factors affecting balanced occlusion
7. Summarize the needs, limitations and advantages of Balanced occlusion



INDUCTION TIME : 15 MINS  
WRITTEN TEST

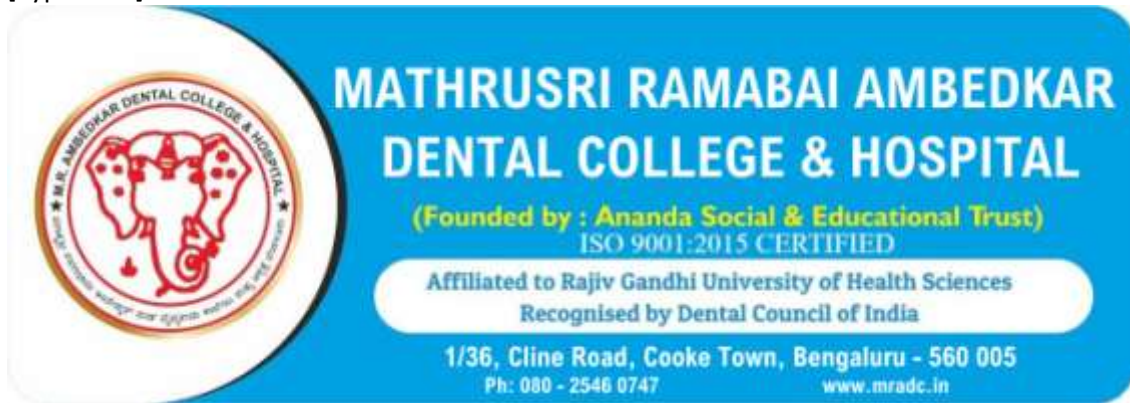
ASSESSMENT : ORAL TEST,

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19. TOPIC : Occlusion

DOMAIN : COGNITIVE

TEACHING/ LEARNING EXPERIENCES

METHOD

MEDIUM

Class room Practical

Aids

Theory Class

Models, Poster A V

aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To have an overview of Balanced occlusion

SLO: At the end of the session, the learners should be able to:

1. Define occlusion
2. Define Balanced Occlusion
3. Name the concepts of Balanced occlusion
4. Enumerate the factors affecting balanced occlusion.
5. List the components of Hanau's Quint
6. Explain in detail the factors affecting balanced occlusion
7. Summarize the needs, limitations and advantages of Balanced occlusion



INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

CONCLUDE : HANDOUTS

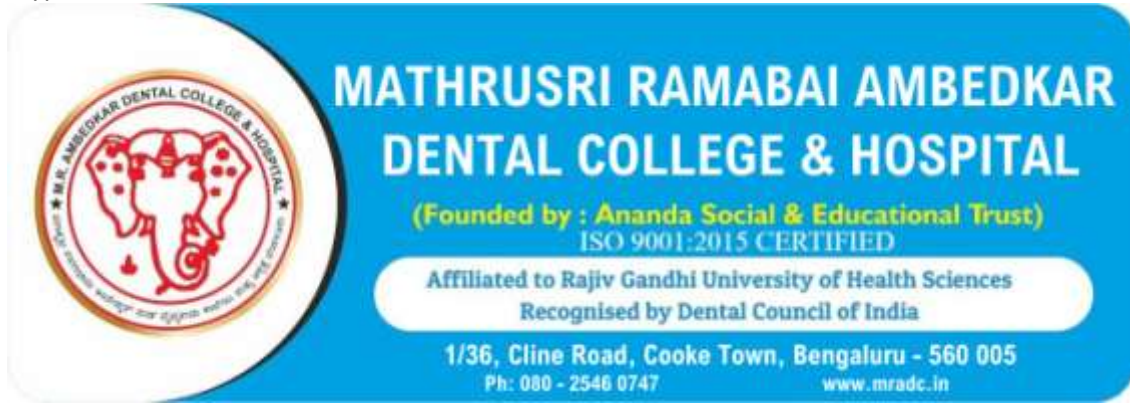
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## 21. TOPIC : Try In Appointment

DOMAIN : COGNITIVE  
LEARNING EXPERIENCES

TEACHING/

METHOD

MEDIUM

Class room Practical

Aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To have thorough knowledge of try in appointment in complete denture

SLO: At the end of the session, the learners should be able to:

1. Define Try in verification or Aesthetic try in
2. Discuss the requirement of 'Anteriors only' try in
3. List the steps involved in Anterior try in.
4. List the steps involved in Posterior try in.
5. Define Wax up
6. Discuss steps involved in wax up, carving and finishing of Complete denture
7. Outline steps involved in final try in of waxed up complete denture

INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

CONCLUDE : HANDOUTS



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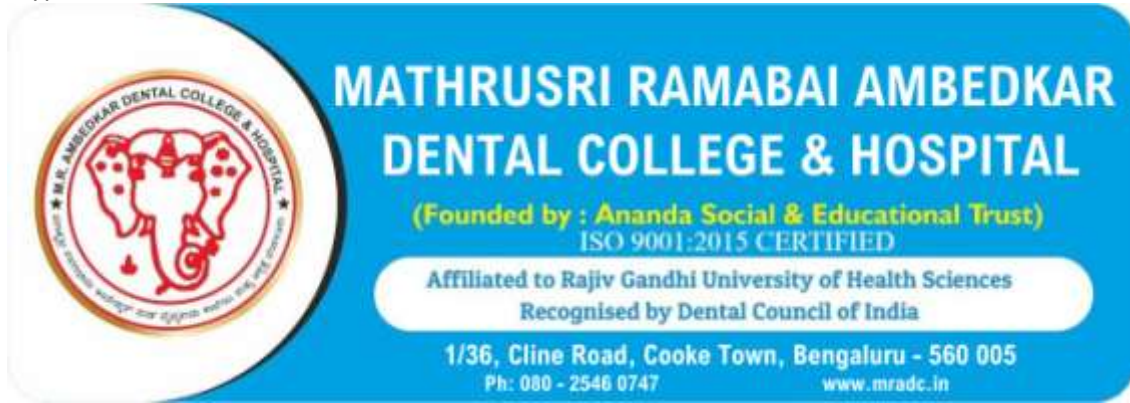
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## 22. TOPIC : Try In Appointment

DOMAIN : COGNITIVE

TEACHING/ LEARNING EXPERIENCES

METHOD

MEDIUM

Class room Practical

Aids

Theory Class

Models, Poster A V

aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To have thorough knowledge of steps involved in processing procedures of complete denture

SLO: At the end of the session, the learners should be able to:

1. List and differentiate between techniques used in processing of complete dentures
2. Describe in detail steps involved in processing of complete denture by compression moulding technique
3. Summarize Finishing and polishing of acrylic complete denture



INDUCTION TIME : 15 MINS  
WRITTEN TEST

ASSESSMENT : ORAL TEST,

CONCLUDE : HANDOUTS

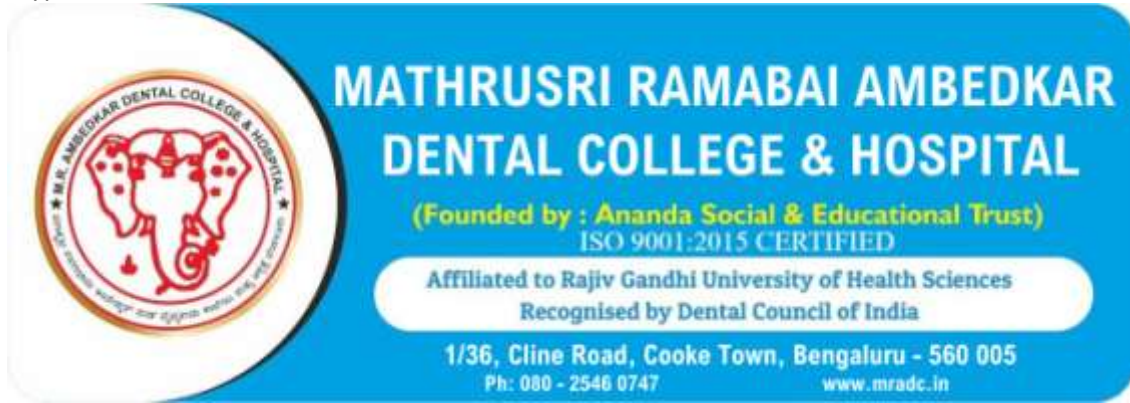
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## 23.TOPIC : CASTING PROCEDURES

DOMAIN : COGNITIVE

TEACHING/ LEARNING EXPERIENCES

METHOD

MEDIUM

Class room Practical

Aids

Theory Class

Models, Poster A V

aids

EXPECTED HOURS : 1 hour

NUMBER OF CLASSES : 1

General Objective: To have a brief understanding of casting procedures used in fabrication of FPD.

SLO: At the end of the session, the learners should be able to:

1. Describe procedures involved in fabrication of FPD.
2. Have an understanding of materials used in casting procedures.

INDUCTION TIME : 15 MINS

ASSESSMENT



ORAL TEST, WRITTEN TEST

CONCLUDE : HANDOUTS

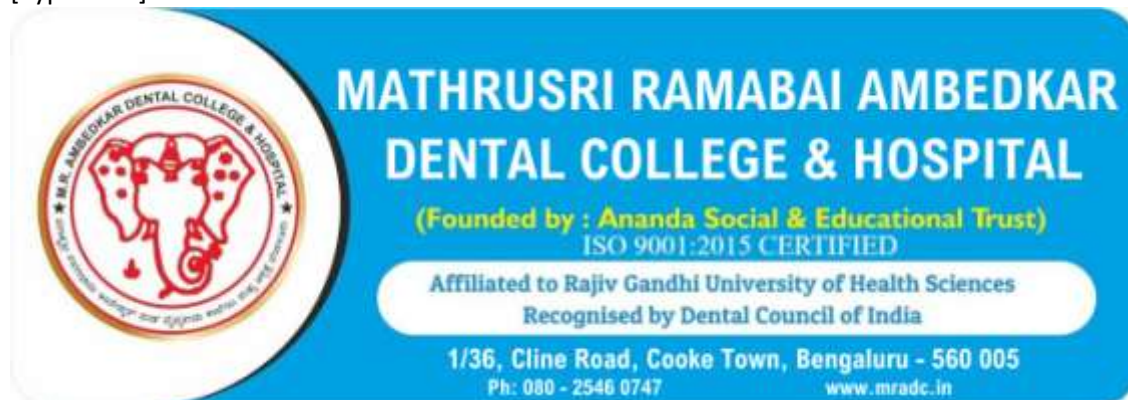
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## Dental Materials

**Topic:** Nature of metals and alloys

**Domain:** cognitive

**Teaching and learning Experiences**

**Method**

**medium**

**Class room**

**Practical**

**Aids**

Theory class

model observation

AV- PPT and videos

**Expected hours : 01**

**Number of classes : 01**

**General Objectives :** At end of session, the student must be able to understand the basic structural constitution of metal alloy, their solidification process, types of alloys used in dentistry.

**Specific learning Objectives**


- Define metals and alloys
- Understand the metallic bonding
- Understand the solidification and microstructure of cast dental alloys
- Understand the conditions for solid solubility and solid solution
- Interpret equilibrium phase diagram
- Know about eutectic and peritectic alloys and its properties
- Understand the solid- state reactions in high noble and noble alloy systems

**Induction time : 15 minutes**

**Assessment MCQs**

**Conclude:** Notes during class

**Faculty:** Dr. Annu Eliza James

  
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## Topic: Dental casting alloys

Domain: cognitive

### Teaching and learning Experiences

Method

medium

Class room

Practical

Aids

Theory class

model observation

AV- PPT and videos, black board

Expected hours : 03  
03

Number of classes :

**General Objectives ;** To have an idea about the basics of alloy formation and structure and properties of cast dental alloys. To understand the functional mechanical properties of alloys and the various alloys used for fabrication of dental prosthesis. To have an overview of the alternate technologies for fabrication of dental prosthesis and the biological hazards of base metal alloys

### Specific learning Objectives

- Define dental casting alloys
- Understand the historical background of metal and alloy development in dentistry
- Classify alloys
- Know the effect of alloy elements on properties of high noble and noble metal alloys
- Enlist the desirable properties of dental casting alloys
- Explain the functional mechanical properties of casting alloys
- Explain various precious metal alloys used in dentistry
- Have an overview of various alloys used in all metal prosthesis

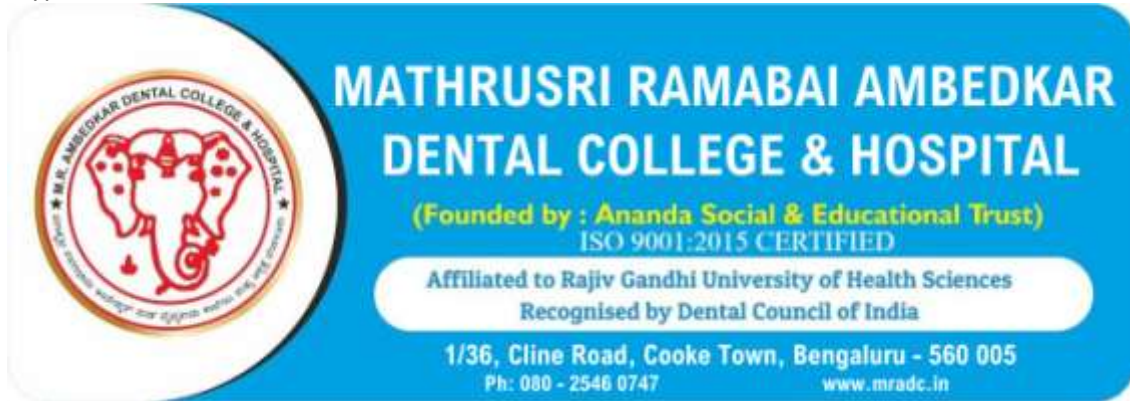


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- Enlist the requirement of alloys for metal ceramic application
- Enumerate the alloys used for metal ceramic restoration.
- Explain the thermal compatibility of Metal – Ceramic system
- Enlist various base metal alloys used in dentistry

Know about titanium and its alloys

- Know the various alloys used for Metal Ceramic system and their manipulation

- Understand the biological hazards of base metal alloys
- Enumerate various metal-joining operation
- Explain the role of flux and antflux in soldering
- Understand the technical consideration for Soldering
- Enlist the heat sources for soldering
- Understand radiographic analysis of solder joint quality

**Induction time : 15 minutes**

**Assessment : Quizing**

**Conclude:** Notes during class

**Faculty:** Dr. Annu Eliza James

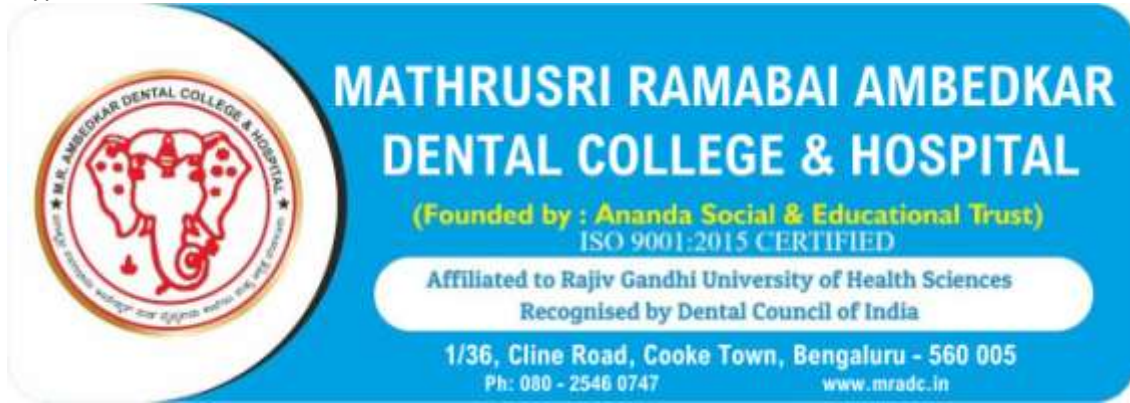


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## Topic: Casting procedures

Domain: cognitive

Teaching and learning Experiences :

Method

medium

Class room

Practical

Aids

Theory class

model observation

AV- PPT and videos, black board

Expected hours : 02

Number of classes : 02

**General Objectives:** To be acquainted about the steps in dental casting procedures.  
To have an overview about the casting procedure

**Specific learning Objectives:**

- Define casting
- Enlist and illustrate the steps in casting for a dental prosthesis
- Explain the techniques used for compensation for solidification shrinkage
- Describe preparation of wax pattern and master die before investing
- Acknowledge and illustrate variables and principles of optimal sprue designs  
Know and illustrate the usage of casting ring liner
- Elaborate on investing procedures
- Explain wax elimination and heating process
- Describe the various types of casting machine
- Have a grasp on casting of metals in different types of investments
- Know about the technical considerations for phosphate bonded investments
- Elaborate on cleaning and pickling of alloys



**Induction time : 15 minutes**

**Assessment : Oral test**

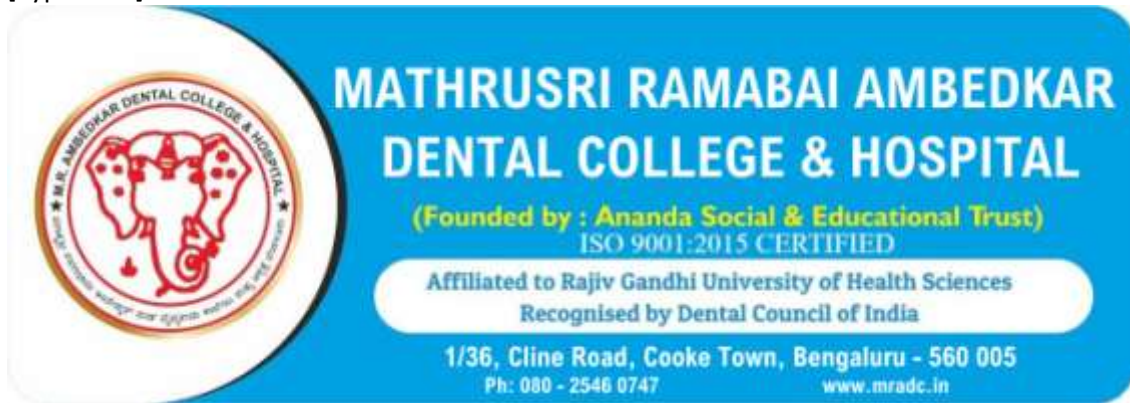
**Conclude:** Notes during class **Faculty:** Dr. Annu Eliza James

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## Topic: Casting defects

Domain: cognitive

Teaching and learning Experiences :

Method

medium

Class room

Practical

Aids

Theory class

model observation

AV- PPT and videos, black board

Expected hours : 01  
01

Number of classes :

**General Objectives:** To have an understanding about the various causes and types of casting defects

**Specific learning Objectives:**

1. Enlist the various causes of casting defects
2. Classify and illustrate the different types of porosities in noble metal alloys

**Induction time : 15 minutes**

Written Assignment

**Assessment :**



**Conclude:** Notes during class

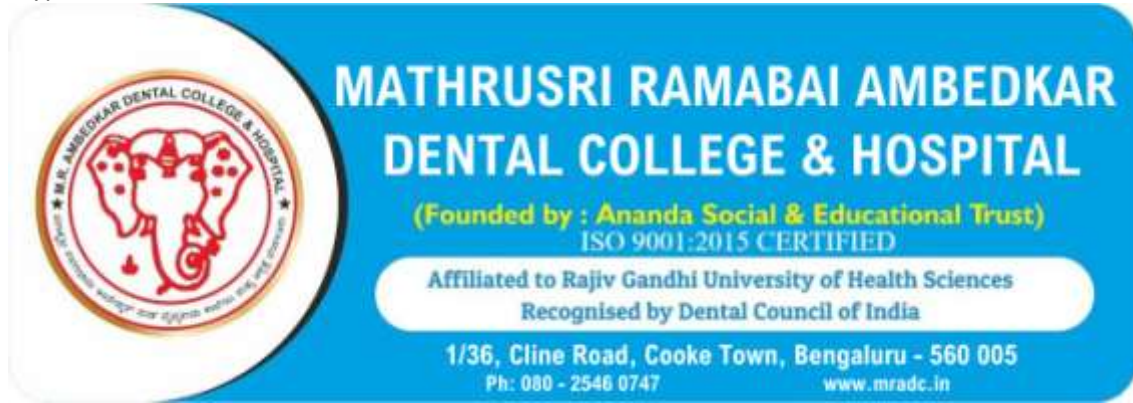
**Faculty:** Dr. Annu Eliza James

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## Topic: Investment materials

Domain: cognitive Teaching and learning Experiences :

Method

medium

Class room

Practical

Aids

Theory class

model observation

AV- PPT and videos, black board

Expected hours : 02

Number of classes : 02

**General Objectives:** To have a overview about the types and components of investment materials. To know in details about the various types of investment materials in dentistry in details

**Specific learning Objectives:**

- Define dental investment material
- Enlist the components of investment materials and explain the functions of each
- Know the ideal properties required for the investment materials
- Types of dental investment materials
- Classify gold alloy casting investments
- Explain the composition, setting reaction and manipulation of gypsum bonded investments
- Discuss the various setting expansion (normal, thermal hygroscopic) exhibited by gypsum bonded investment and factors influencing each
- Explain the thermal contraction , fineness, strength and storage of gypsum bonded investment materials
- Discuss the composition, setting reaction, working and setting time, setting and thermal expansion of phosphate bended investment material
- Composition and setting reaction of ethyl silicate bonded investment.

**Induction time : 15 minutes**

**Assessment :** Written test

**Conclude:** Notes during class **Faculty:** Dr. Annu Eliza James





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## Topic: Abrasives and polishing agents

Domain: cognitive

Teaching and learning Experiences :

Method

medium

Class room

Practical

Aids

Theory class

model observation

AV- PPT and videos, black board

Expected hours : 02

Number of classes : 02

**General Objectives:** To have an understanding about the abrasive agents used in dentistry. To have an overview about the mechanisms involved in abrasion and erosion

**Specific learning Objectives:**

- Know a brief history of abrasive
- Enlist the application of abrasives in dentistry
- Discuss the benefits of finishing and polishing
- Explain principles of cutting, grinding, finishing and polishing
- Describe and illustrate the mechanism of Abrasion and Erosion
- Discuss the biological hazards of grinding, Finishing and Polishing Procedure
- Discuss various abrasive instrument designs
- Enumerate the various types of abrasives
- Discuss the biological hazards of grinding, Finishing and Polishing Procedure
- Illustrate the mechanism of Abrasion and Erosion
- Discuss various abrasive instrument designs
- Enumerate the various types of abrasives



**Induction time : 15 minutes**

**Assessment :** Written Assignment

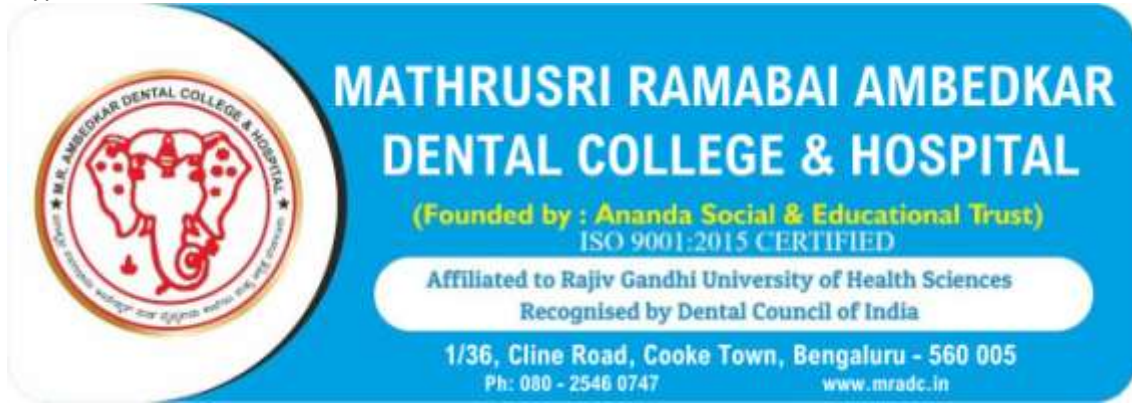
**Conclude:** Notes during class **Faculty:** Dr. Annu Eliza James

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## Topic : Physical chemical and mechanical properties of Dental Materials

Domain: cognitive

Teaching and learning Experiences :

Method medium

Class room Practical Aids

Theory class model observation AV- PPT and videos, black board

Expected hours : 04

Number of classes : 04

**General Objectives:** To have an understanding about the physical properties of materials used in dentistry . To have an understanding about the physical properties of materials used in dentistry.To have an understanding about the physical properties of materials used in dentistry. To have an understanding about the physical properties of materials used in dentistry

**Specific learning Objectives:**

- Enlist the relevant physical properties associated with dental materials
- Know the meaning of Rheology and differentiate between pseudoplastic and thixotropic behavior of dental materials
- Significance of stress relaxation in dental materials
- Define creep and discuss the significance of creep/flow in various dental materials
- Explain coefficient of thermal expansion and its significance.
- Define tarnish and corrosion
- Enlist the various causes of tarnish
- Explain the fundamental basis of Corrosion

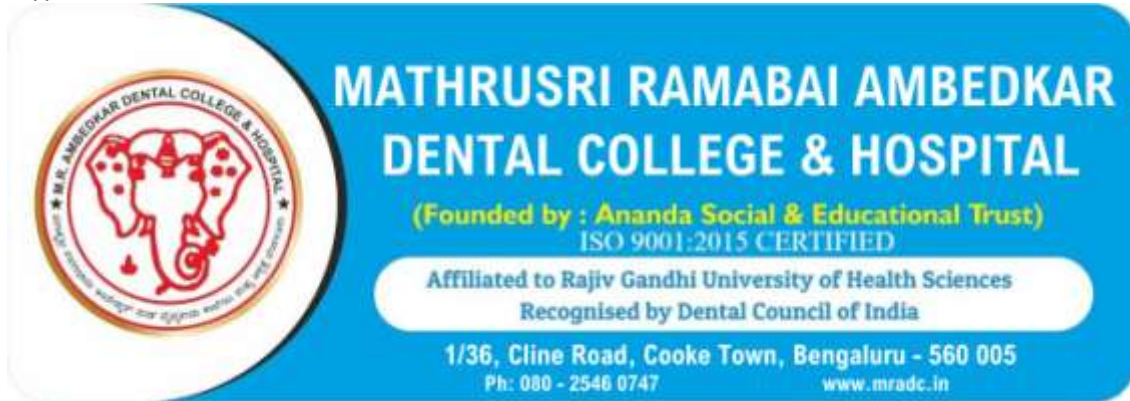
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- Classify corrosion
- Illustrate the electrochemical mechanism of corrosion, effect of dissimilar metals and heterogeneous surface composition
- Illustrate stress corrosion and concentration cell corrosion
- Elaborate on protection against corrosion
- Explain the clinical significance of galvanic current
- Explain the clinical significance of mechanical properties of Dental Materials
- Define stress and strain , know the graphical representation of stress and strain graph and elaborate on different types of stress and its significance in dentistry with illustrations
- Describe in details various Elastics Properties Like Young's Modulus, Dynamic Young's Modulus, Flexibility, Resilience, Poisson's Ratio.
- Explain the various strength properties like proportional limit, elastic limit, yield strength or proof stress, ultimate tensile strength, shear strength, compressive strength, and flexural strength with illustrations
- Explain the significance of Weibull statistics
- Elaborate on mechanical properties like toughness and brittleness.
- Explain about ductility and malleability and enlist the methods to determine ductility
- Illustrate on the various surface hardness test.
- Enumerate the factors causing stress concentration in a restoration and methods to minimize it.
- Enlist the average masticatory forces on each tooth
- Describe the criteria for selection of restorative materials

**Induction time : 15 minutes**

**Assessment :** test paper and viva

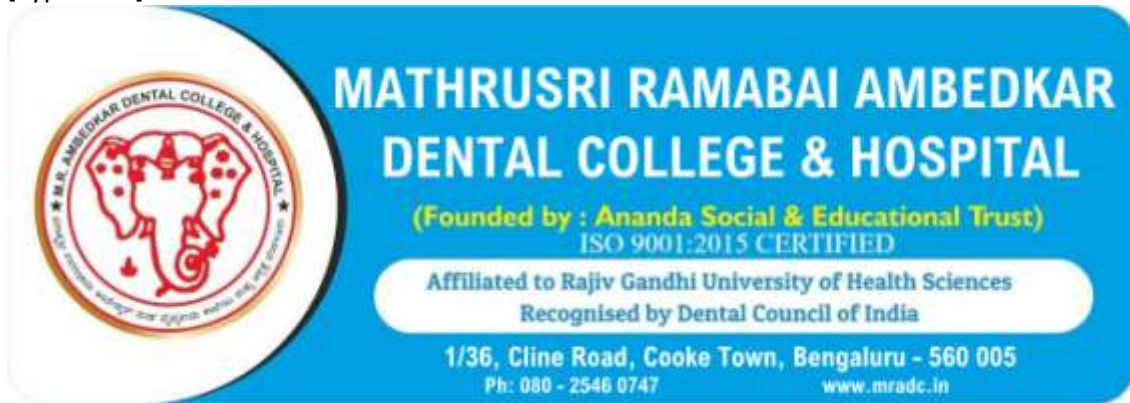
**Conclude:** Notes during class

**Faculty:** Dr. Annu Eliza James



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## IMPRESSION MATERIALS

### Session 1

#### Aim:

To have an idea about the basics of impression materials used in dentistry.

#### Objectives:

At the end of session 1, the student must be able to understand

1. Introduction.
2. History.
3. Requirements.
4. Classification.
5. Manipulation and General properties.
6. Applications in clinical relevance.

Teaching methods – Lectures and demonstrations.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

Learner activity – Written assignment.

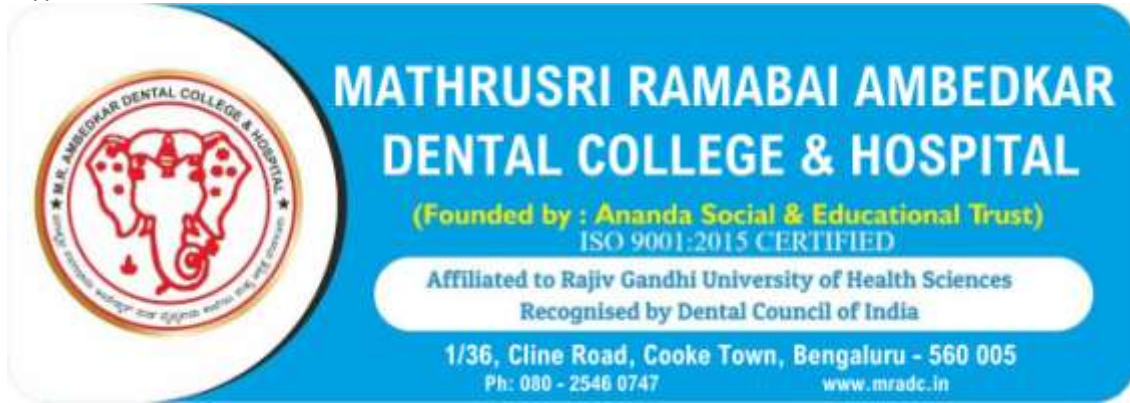


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## Session 2

### Aim:

To understand about Impression compound and Green stick compound.

### Objectives:

At the end of session 2, the student must be able to understand

1. Synonyms and Introduction.
2. Availability.
3. Composition and functions.
4. Classification according to ADA.
5. Manipulation – materials needed and the technique.
6. Rheological properties.
7. Advantages and Disadvantages.
8. Uses.
9. Recent advances in the material or technique if any.



Teaching methods – Lectures and demonstrations.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

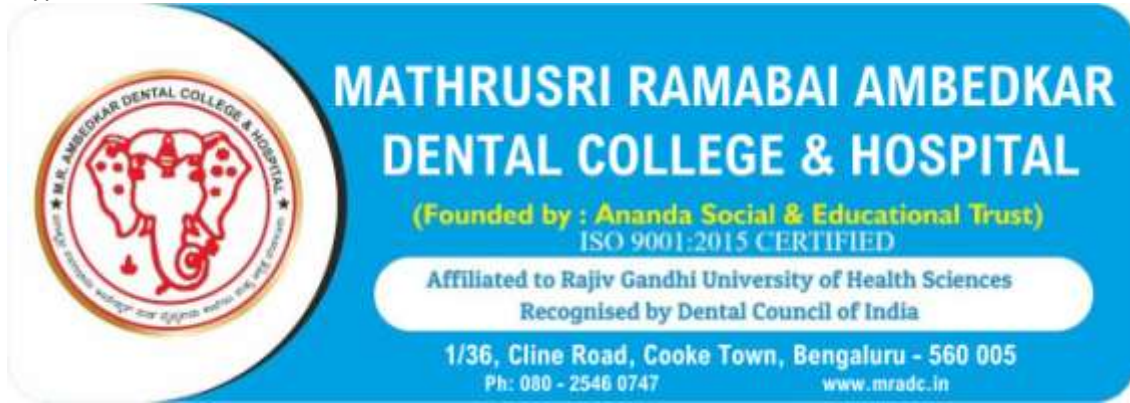
Learner activity – Written assignment.

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### Session 3

#### Aim:

To understand about Impression Plaster and Impression wax.

#### Objectives:

At the end of session 2, the student must be able to understand

1. Synonyms and Introduction.
2. Availability.
3. Composition and functions.
4. Classification according to ADA.
5. Manipulation – materials needed and the technique.
6. Rheological properties.
7. Advantages and Disadvantages.
8. Uses.
9. Recent advances in the material or technique if any.



Teaching methods – Lectures and demonstrations.

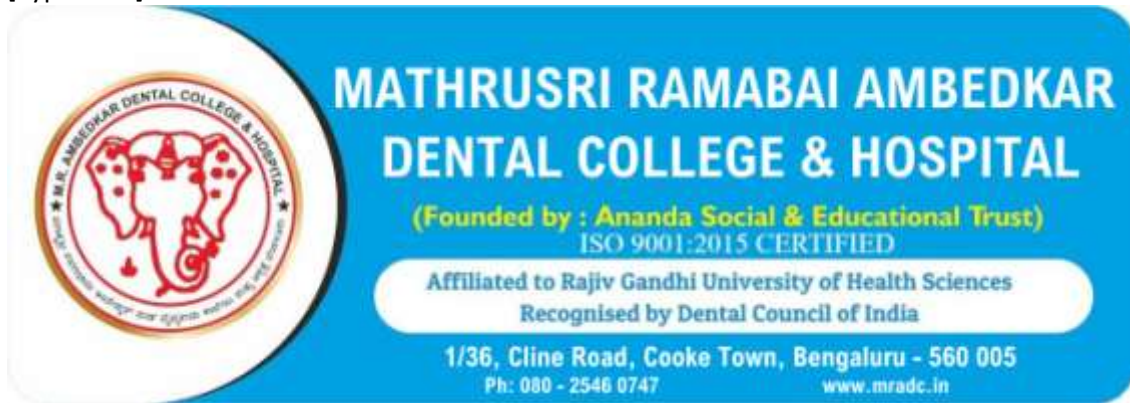
Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.Learner activity – Written assignment.

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## Session 4

### Aim:

To understand about Alginate or Irreversible Hydrocolloid.

### Objectives:

At the end of session 2, the student must be able to understand

1. Synonyms and Introduction.
2. Availability.
3. Composition and functions.
4. Classification according to ADA.
5. Manipulation – materials needed and the technique.
6. Rheological properties.
7. Advantages and Disadvantages.
8. Uses.
9. Recent advances in the material or technique if any.



Teaching methods – Lectures and demonstrations.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

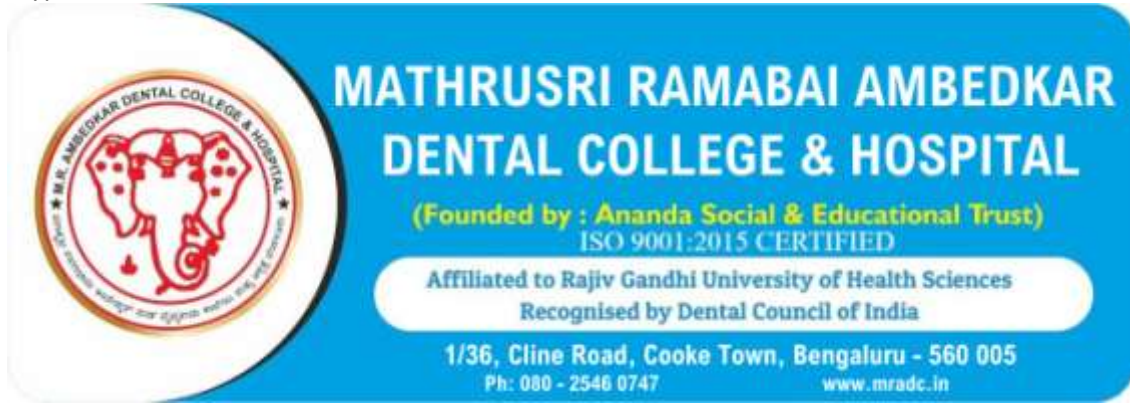
Learner activity – Written assignment.

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## Session 5

### Aim:

To understand about Agar or Reversible Hydrocolloid.

### Objectives:

At the end of session 2, the student must be able to understand

1. Synonyms and Introduction.
2. Availability.
3. Composition and functions.
4. Classification according to ADA.
5. Manipulation – materials needed and the technique.
6. Rheological properties.
7. Advantages and Disadvantages.
8. Uses.
9. Recent advances in the material or technique if any.
10. Laminate technique versus Wet-field technique.



Teaching methods – Lectures and demonstrations.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.Learner activity – Written assignment.

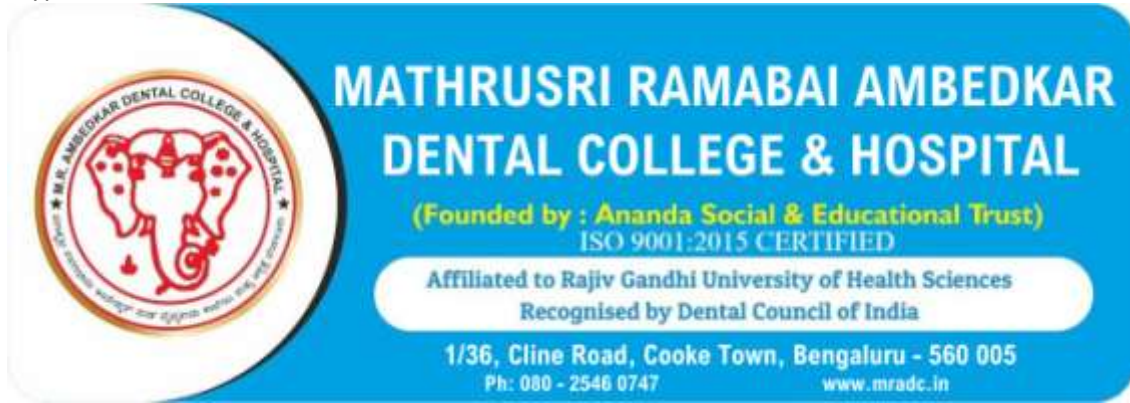
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## Session 6

### Aim:

To understand about Polysulfides and Polyether

### Objectives:

At the end of session 2, the student must be able to understand

1. Synonyms and Introduction.
2. Availability.
3. Composition and functions.
4. Classification according to ADA.
5. Manipulation – materials needed and the technique.
6. Rheological properties.
7. Advantages and Disadvantages.
8. Uses.
9. Recent advances in the material or technique if any.



Teaching methods – Lectures and demonstrations.

Teaching media – Black board, slide projector.

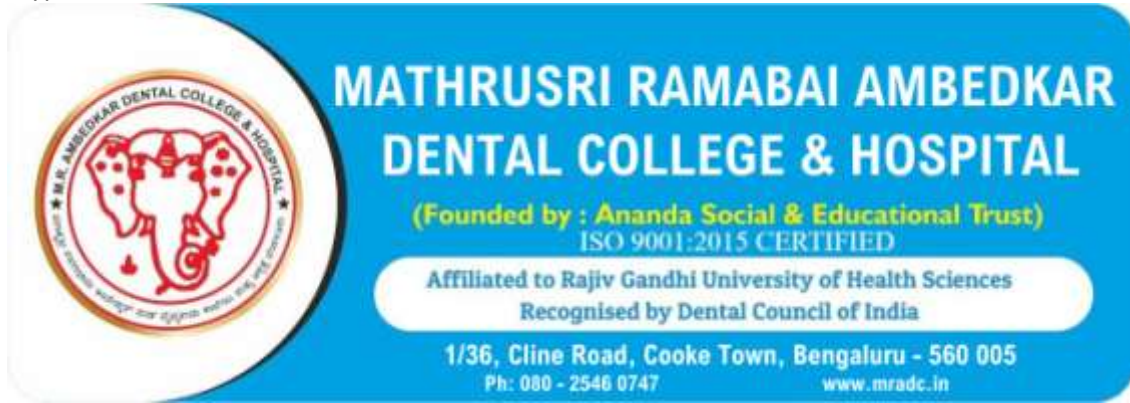
Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

Learner activity – Written assignment.

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## Session 7

### Aim:

To understand about Addition silicones and Condensation silicones.

### Objectives:

At the end of session 2, the student must be able to understand

1. Synonyms and Introduction.
2. Availability.
3. Composition and functions.
4. Classification according to ADA.
5. Manipulation – materials needed and the technique.
6. Rheological properties.
7. Advantages and Disadvantages.
8. Uses.
9. Recent advances in the material or technique if any.



Teaching methods – Lectures and demonstrations.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

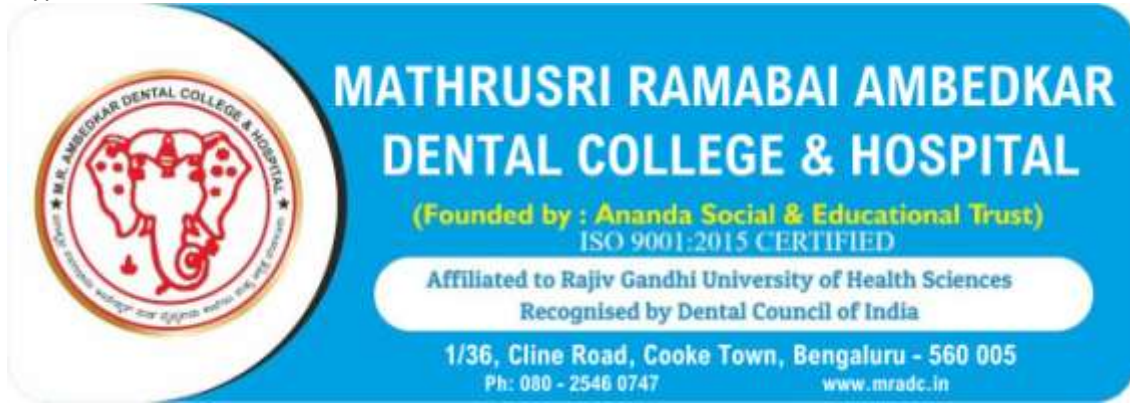
Learner activity – Written assignment.

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## Session 8

### Aim:

To understand about Visible light cure polyether urethane dimethacrylate material.

### Objectives:

At the end of session 2, the student must be able to understand

1. Synonyms and Introduction.
2. Availability.
3. Composition and functions.
4. Manipulation – materials needed and the technique.
5. Rheological properties.
6. Advantages and Disadvantages.
7. Uses.



Teaching methods – Lectures.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

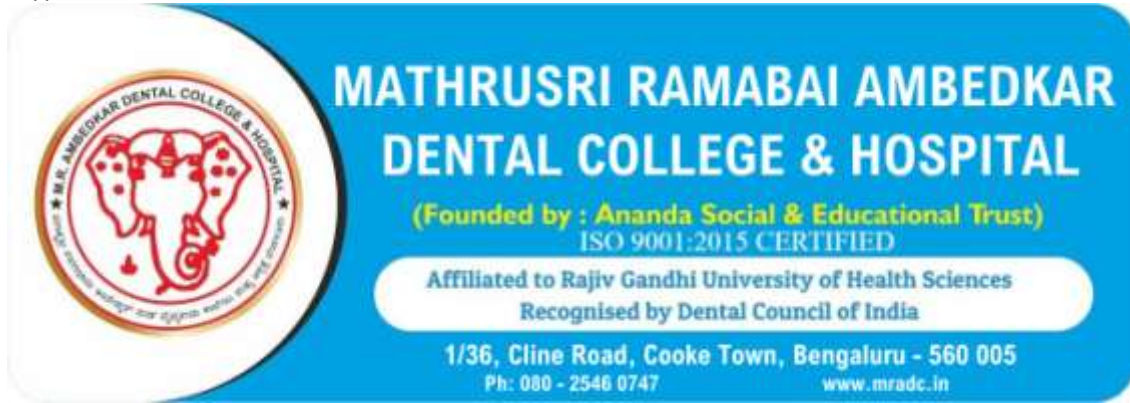
Learner activity – Written assignment.

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## DENTURE BASE RESINS

### Session 1

#### Aim:

To have an idea about the basics of Denture base resins.

#### Objectives:

At the end of session 1, the student must be able to understand

1. Introduction
2. History.
3. Availability.
2. Requirements.
3. Classification.
4. Manipulation and General properties.
5. Applications in clinical relevance.



Teaching methods – Lectures.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

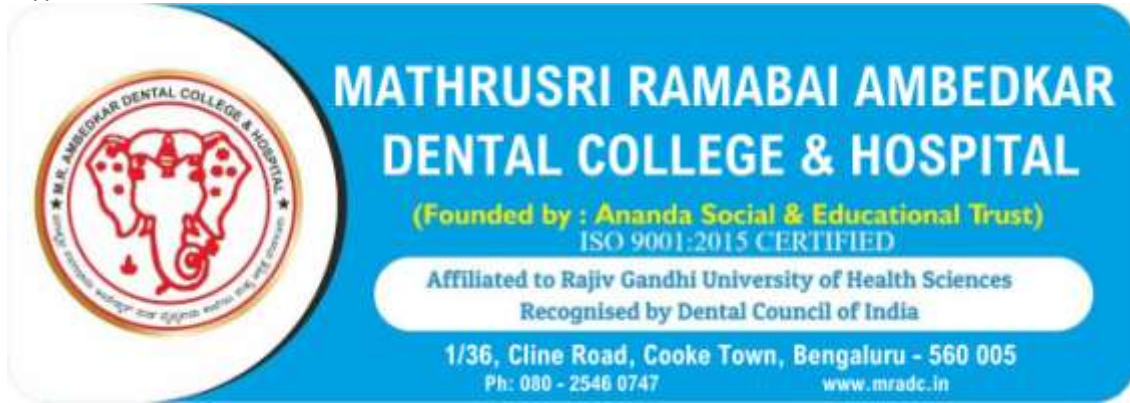
Learner activity – Written assignment.

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## Session 2

### Aim:

To have an idea about monomer and polymer, properties and polymerization mechanisms.

### Objectives:

At the end of session 2, the student must be able to understand about

1. Monomer and its appearance and properties.
2. Polymer and its appearance and properties.
3. Composition and functions of monomer and polymer.
4. Initiator and Activators and its mechanism involved in polymerization reaction.

Teaching methods – Lectures and demonstrations.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

Learner activity – Written assignment.

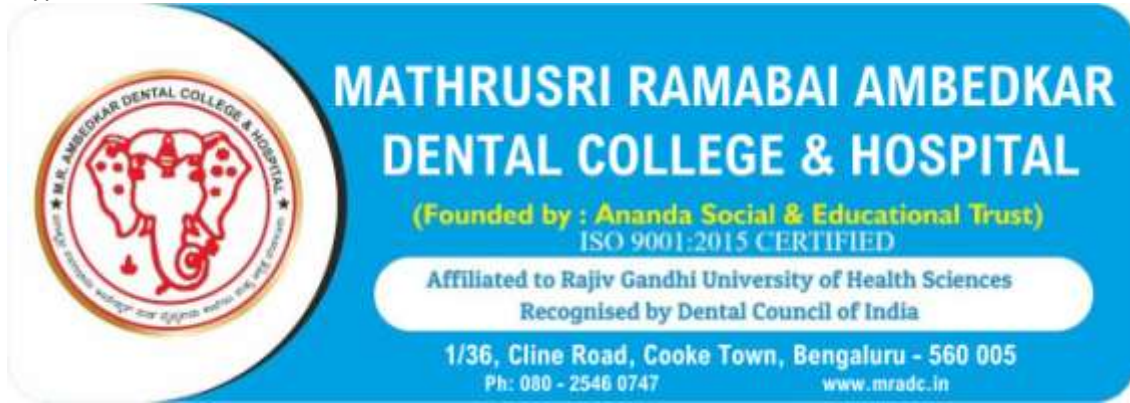


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### Session 3

#### Aim:

To have an idea about Compression-molding technique.

#### Objectives:

At the end of session 2, the student must be able to understand about

1. Flasking.
2. Dewaxing.
3. Application of separating media (synonyms, composition and functions).
4. Powder-liquid ratio and its importance (Porosity – types and reasons for it).
5. Manipulation and its technique (Physical and Chemical stages of polymerization).
6. Packing and Trial closure.
7. Bench curing, Polymerization or Curing cycle and Bench cooling.
8. Deflasking.
9. Trimming, finishing and polishing.



Teaching methods – Lectures and demonstraion.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

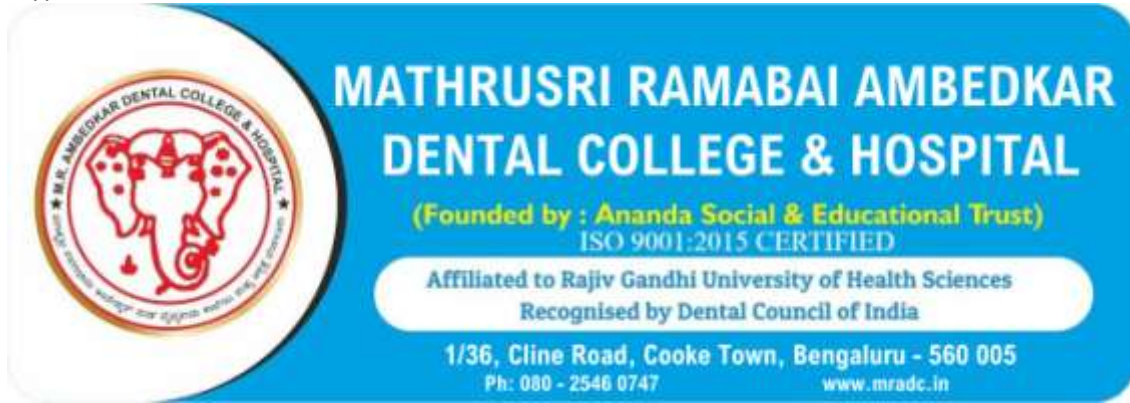
Learner activity – Written assignment.

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### Session 3

#### Aim:

To have an idea about Fluid-resin technique/Injection-molding technique and recent advances.

#### Objectives:

At the end of session 3, the student must be able to understand about

1. Fluid-resin technique or Pour-type resins
2. Injection-molding technique.
3. Resin properties and the technique of manipulation.
4. Curing cycle and its significance.
5. Advantages and disadvantages.
6. Recent advances introduction and its advantages.
7. Gel-type resins.
8. High-impact strength resins (veined acrylic).
9. Microwave PMMA resins.
10. Flexible resins (valplast or flexible dentures and its significance).



Teaching methods – Lectures.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

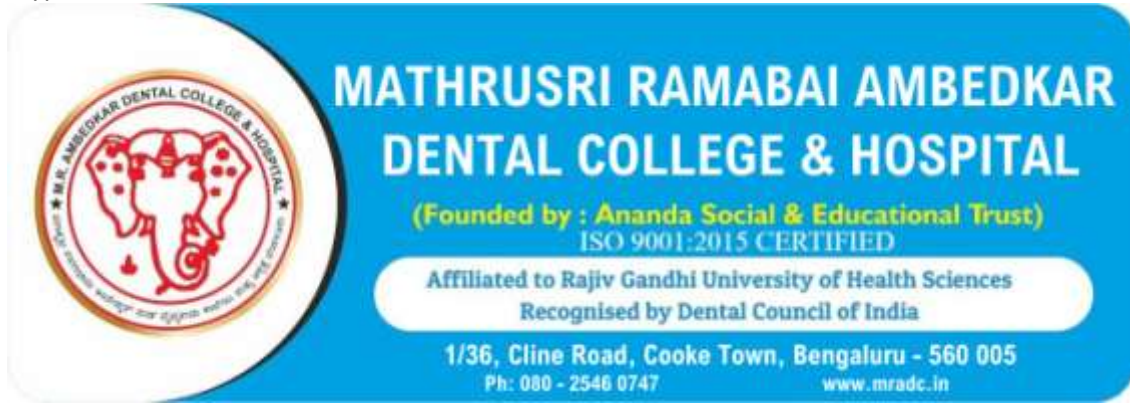
Teaching activity – Lectures.Learner activity – Written assignment.

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## Session 4

### Aim:

To have an idea about Denture Reliners (Tissue-Conditioners) and Denture cleansers.

### Objectives:

At the end of session 4, the student must be able to understand about

1. Introduction.
2. Classification of Denture reliners.
3. Tissue conditioners (introduction, composition and functions, availability, manipulation, advantages and disadvantages, uses).
4. Denture cleansers (introduction, composition and the mechanism of action, uses).

Teaching methods – Lectures and demonstrations.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

Learner activity – Written assignment.



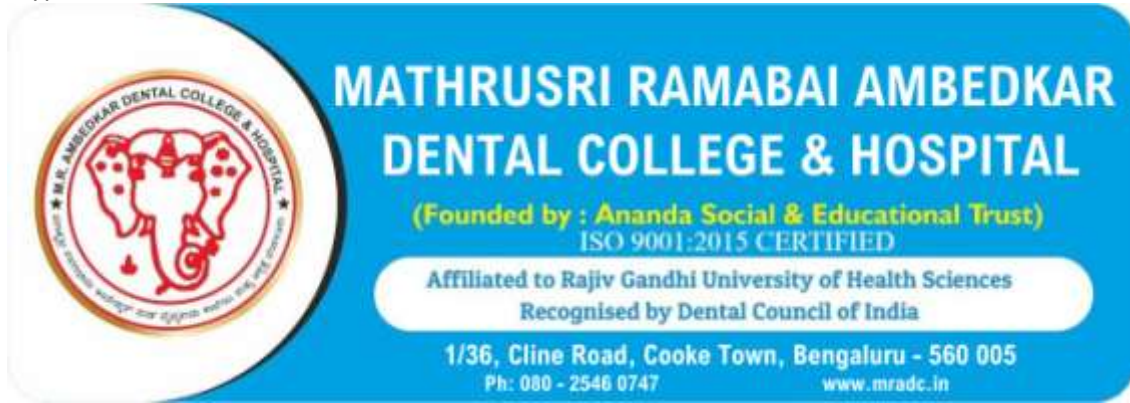
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## DENTAL IMPLANT BIOMATERIALS

### Session 1

#### Aim:

To understand about concepts involved and materials used for dental implants .

#### Objectives:

At the end of session 1, the student must be able to understand

1. Introduction.
2. Reasons for the usage of dental implants.
3. Concepts – Osseointegration and Fibro-osseointegration.
4. Classification of dental implant biomaterials.
5. Plasma spraying and its significance.
6. SLA implants.
7. Stereolithography and its importance.



Teaching methods – Lectures and demonstrations.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

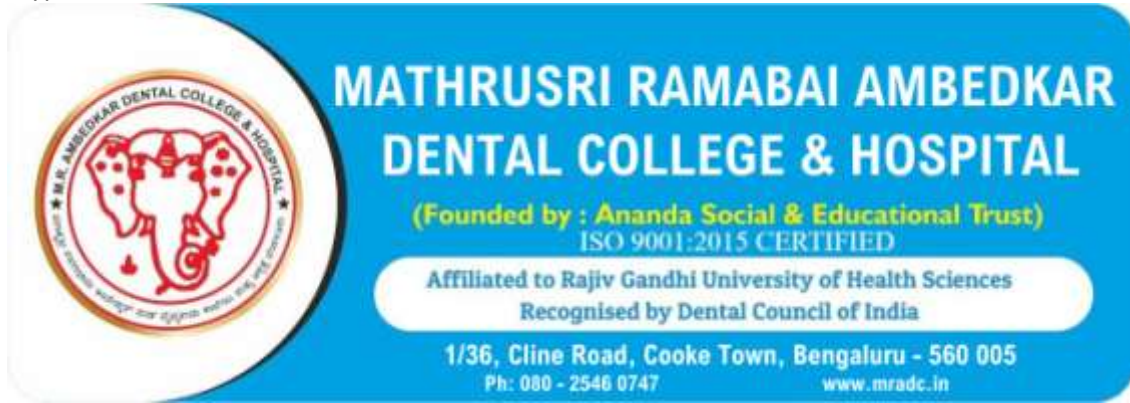
Learner activity – Written assignment.

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## Session 2

### Aim:

To understand about Titanium and recent advances in dental implants.

### Objectives:

At the end of session 2, the student must be able to understand titanium under

1. Introduction.
2. Availability.
3. Classification.
4. CpTi and Ti-6AL-4Va (alpha and beta forms/stabilizers with significance).
5. Properties.
6. Advantages and disadvantages.
7. Uses.
8. Recent advancements in dental implants and its significance.

Teaching methods – Lectures.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

Learner activity – Written assignment.

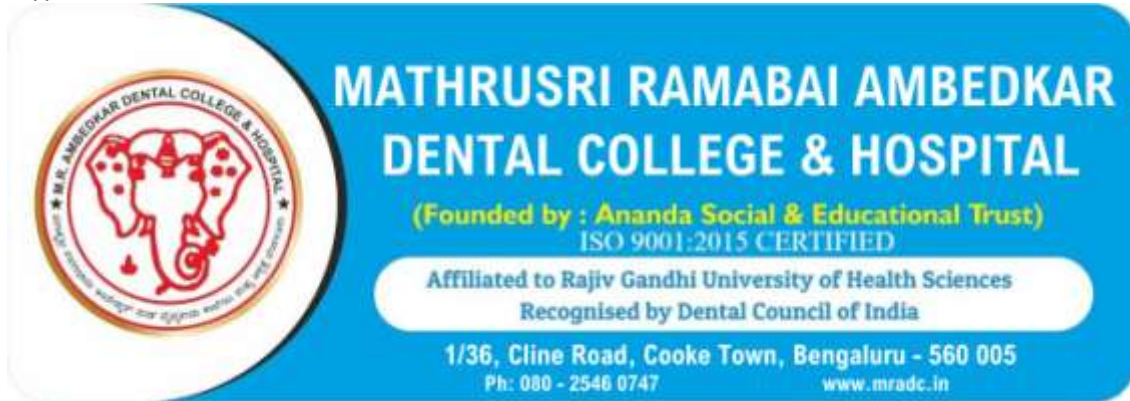


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## OPTICAL PROPERTIES

### Session 1

#### Aim:

To understand about the concepts involved in optics and its properties.

#### Objectives:

At the end of session 1, the student must be able to understand

1. Introduction.
2. Phenomenon of vision.
3. Light and color.
4. Dimensions of color (Hue, Value/Brilliance, Chroma/Saturation).
5. Metamerism and its significance.
6. Fluorescence and Incandescence and its significance.
7. Near UV-radiation and its significance.



Teaching methods – Lectures and videos.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

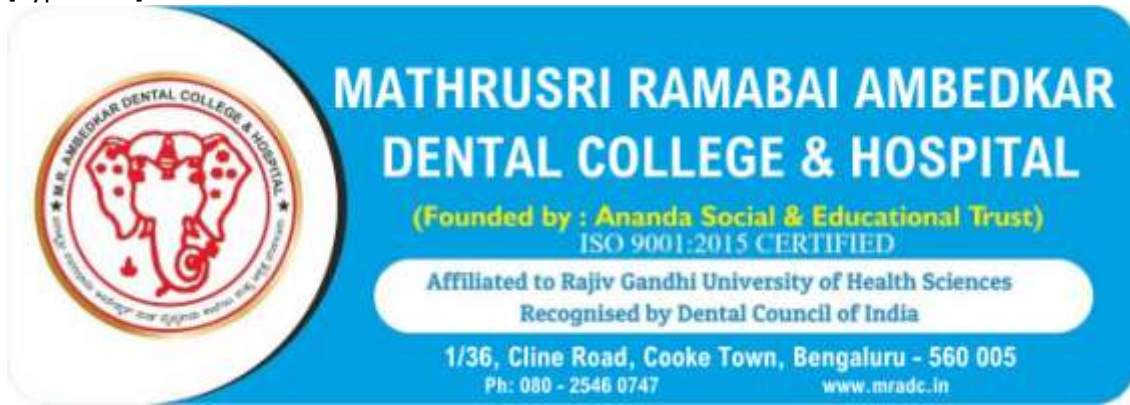
Learner activity – Written assignment.

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ISO 9001:2015 CERTIFIED

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Recognised by Dental Council of India

1/36, Cline Road, Cooke Town, Bengaluru - 560 005  
Ph: 080 - 2546 0747 [www.mradc.in](http://www.mradc.in)

## Session 2

### Aim:

To understand about the color systems and shade selection in clinical relevance.

### Objectives:

At the end of session 2, the student must be able to understand

1. Introduction.
2. Additive and Subtractive colors.
3. Munsell color system.
4. HSB color system.
5. CIE L#a#bcolor system
6. CMYK color system.
7. Shade selection (shade guides and factors involved clinically).



Teaching methods – Lectures, demonstrations and videos.

Teaching media – Black board, slide projector.

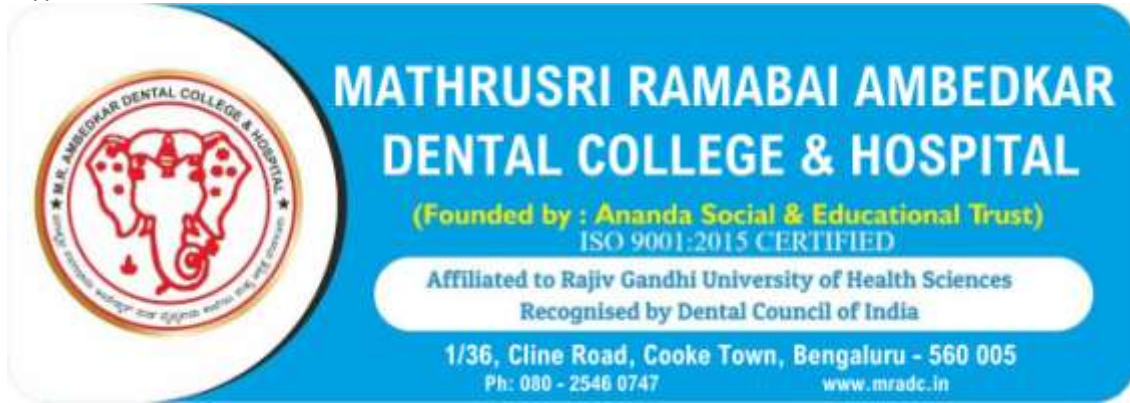
Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

Learner activity – Written assignment

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## BIOLOGICAL PROPERTIES

### Session 1

#### Aim:

To understand about biocompatibility of dental materials.

#### Objectives:

At the end of session 1, the student must be able to understand

1. Introduction.
2. Allergenicity and toxicity differences.
3. Tests involved in Biocompatibility.
4. Significance of biocompatibility tests.
5. Standardization of dental products and its importance.
6. Agencies involved in standardization of dental products.



Teaching methods – Lectures.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

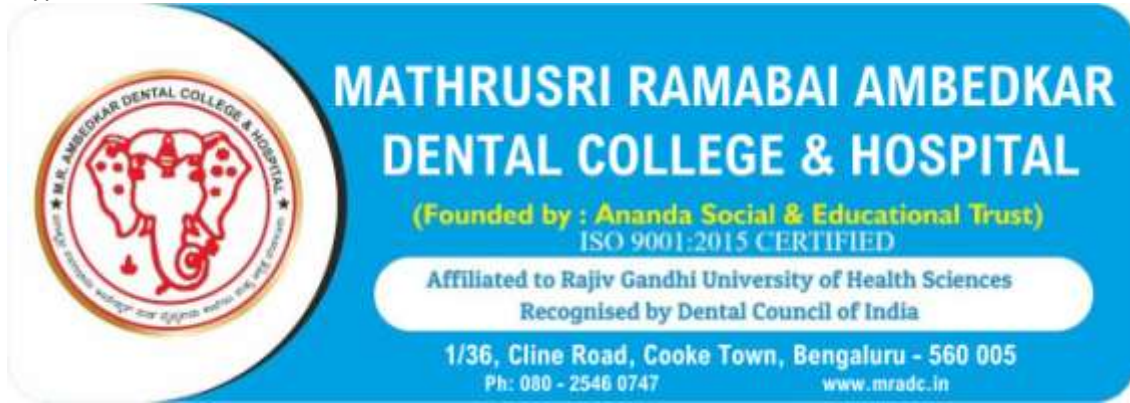
Teaching activity – Lectures.

Learner activity – Written assign

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## STRUCTURE OF MATTER AND PRINCIPLES OF ADHESION

### Session 1

#### Aim:

To understand about the structure of matter.

#### Objectives:

At the end of session 1, the student must be able to understand

1. Introduction.
2. States of matter.
3. Atoms and bonding.
4. Physisorption and Chemisorption.
5. Crystal Lattice and types.
6. Significance of crystal lattice.



Teaching methods – Lectures.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

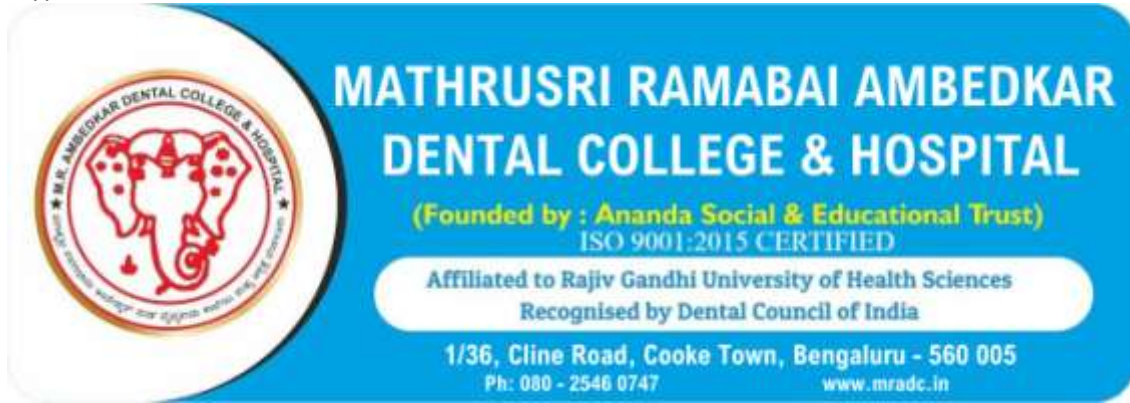
Learner activity – Written assignment.

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## Session 2

### Aim:

To understand about the Principles of adhesion.

### Objectives:

At the end of session 2, the student must be able to understand

1. Introduction.
2. Adhesion and Cohesion.
3. Adhesive and Adherend.
4. Wetting and its significance.
5. Spreadability and its significance.
6. Contact angle and its significance.
7. Micro-mechanical bonding and Chemical bonding.
8. Luting cements and Resin cements and its significance.
9. Failure in bonding (marginal microleakage and secondary caries).



Teaching methods – Lectures.

Teaching media – Black board, slide projector.

Assessment – Formative assessment /oral written test.

Teaching activity – Lectures.

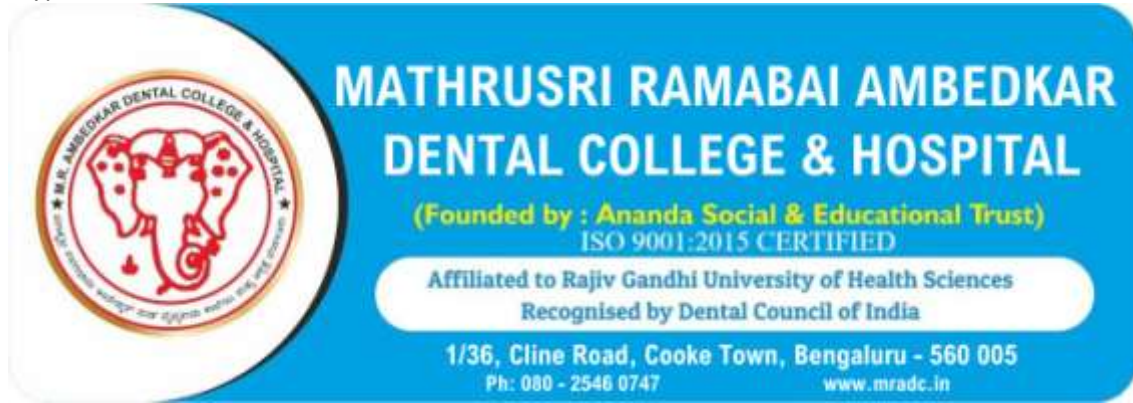
Learner activity – Written assignment.

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## Introduction and terminology in RPD

### Session 1

Domain: cognitive

Class: III year

Date: .....

No. of students: .....

Time: 9: 30 am

Topic: **Introduction and terminology in RPD**

General objective: At the end of the session, the learners will be able to: have an overview of on terminology used in RPD

Specific learning objectives: At the end of the session, the learners should be able to:

1. Define prosthodontics
2. Enumerate the branches of prosthodontics
3. Define rpd
4. Familiarize with come terminology with rpd
5. List the indication and contraindication in rpd



Set induction: Time: 60 mins

Objective	Content	T – L Method /Medium		Assessment tool	Time
		Teacher activity	Learner activity		
		Lecture-slide projector and model	poster	oral	
Conclusion					

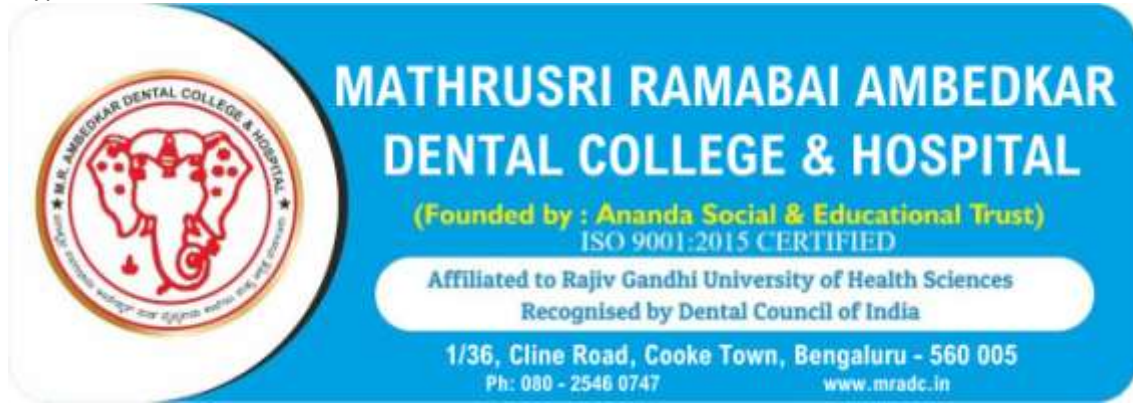
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## Session 2

Domain: cognitive

Class: III year

Date: .....

No. of students: .....

Time: 9: 30 am

Topic: **CLASSIFICATION IN RPD**

General objective: At the end of the session, the learners will be able to: have an understanding of surveying procedure

Specific learning objectives: At the end of the session, the learners should be able to:

1. Enumerate the different types of classification in RPD
2. Describe Kennedy's classification
3. List the indication and contraindication in different types classification

Set induction: Time: 60 mins

Objective	Content	T – L Method /Medium		Assessment tool	Time
		Teacher activity	Learner activity		
		Lecture-slide projector and model	written assignment	oral	
Conclusion					



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### Session 3

Domain: cognitive

Class: III year

Date: .....

No. of students: .....

Time: 9: 30 am

Topic: **Examination, Diagnosis and Treatment planning in RPD**

General objective: At the end of the session, the learners will be able to: have an overview about the diagnosis in clinical case and plan for proper treatment plan for the same

Specific learning objectives: At the end of the session, the learners should be able to:

1. Diagnosis the case
2. Discuss different classification

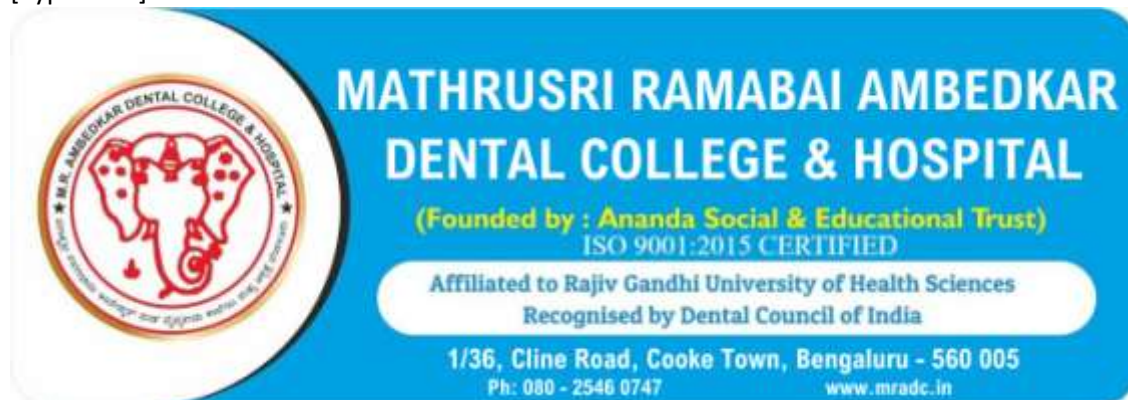
Set induction: Time: 60 mins

Objective	Content	T – L Method /Medium		Assessment tool	Time
		Teacher activity	Learner activity		
		Lecture- slide projector and model	written assignment, seminar	Oral	
Conclusion					



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**Direct retainer**

**Session 1**

Domain: cognitive

Class: III year

Date: .....

No. of students: .....

Time: 9: 30 am

Topic: Direct retainer

General objective: At the end of the session, the learners will be able to: understand about direct retainer and its function . and also know different types of direct retainer

Specific learning objectives: At the end of the session, the learners should be able to:

1. Define direct retainer
2. Enumerate the Function of direct retainer
3. Enlist the Requirements of direct retainer
4. Discuss the types of direct retainer
5. State the Indications and contraindications of suprabulge clasp

Set induction: Time: 60 mins

Objective	Content	T – L Method /Medium		Assessment tool	Time
		Teacher activity	Learner activity		
		Lecture-slide projector and model	written assignment, seminar, poster	Oral	
Conclusion					

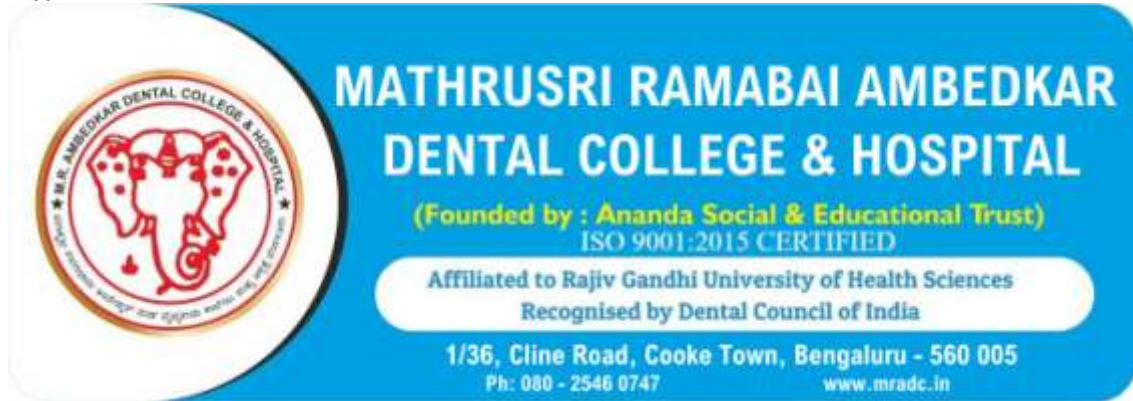


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## Session 2

Domain: cognitive

Class: III year

Date: .....

No. of students: .....

Time: 9: 30 am

Topic: Direct retainer

General objective: At the end of the session, the learners will be able to: have an understanding of infrabulge clasp and its function

Specific learning objectives: At the end of the session, the learners should be able to:

1. Discuss the types infrabulge clasp
2. State the Indications and contraindications of various infrabulge clasp
3. Enumerate function of infrabulge clasps

Set induction: Time: 60 mins

Objective	Content	T – L Method /Medium		Assessment tool	Time
		Teacher activity	Learner activity		
		Lecture-slide projector and model	written assignment, seminar, poster	Oral	
Conclusion					



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**Indirect retainer**

**Session 1**

Domain: cognitive

Class: III year

Date: .....

No. of students: .....

Time: 9: 30 am

Topic: Indirect retainer

General objective: At the end of the session, the learners will be able to: have an understanding of indirect retainer and its function

Specific learning objectives: At the end of the session, the learners should be able to:

1. Define indirect retainer
2. To enumerate functions of indirect retainer
3. Enumerate the factors influencing effectiveness of indirect retainer

Set induction: Time: 60 mins

Objective	Content	T – L Method /Medium		Assessment tool	Time
		Teacher activity	Learner activity		
		Lecture-slide projector and model	written assignment, seminar, poster	Oral, written test	
Conclusion					



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### Session2

Domain: cognitive

Class: III year

Date: .....

No. of students: .....

Time: 9: 30 am

Topic: Indirect retainer

General objective: At the end of the session, the learners will be able to: have an understand different types of indirect retainer and its function

Specific learning objectives: At the end of the session, the learners should be able to:

1. Enumerate different types of indirect retainer
2. To enumerate functions of each indirect retainer

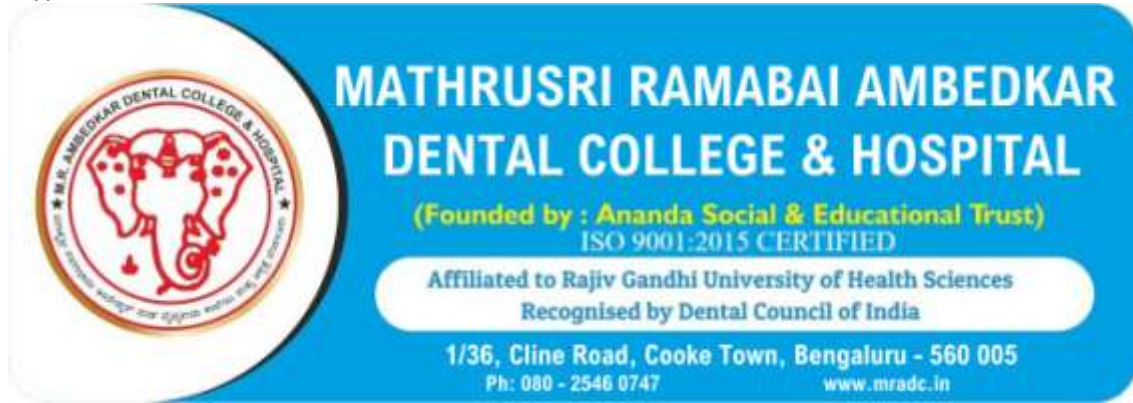
Set induction: Time: 60 mins

Objective	Content	T – L Method /Medium		Assessment tool	Time
		Teacher activity	Learner activity		
		Lecture-slide projector and model	written assignment, seminar, poster	Oral, written test	
Conclusion					



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## Impression in RPD

### Session 1

Domain: cognitive

Class: III year

Date: .....

No. of students: .....

Time: 9: 30 am

Topic: Impression in PRD

General objective: At the end of the session, the learners will be able to: have an overview of the different types of impression material used in RPD

Specific learning objectives: At the end of the session, the learners should be able to:

1. Define impression
2. Define RPD impression
3. Enumerate the indication of impression making in RPD
4. Describe different technique used to make impression in RPD

Set induction: Time: 60 mins

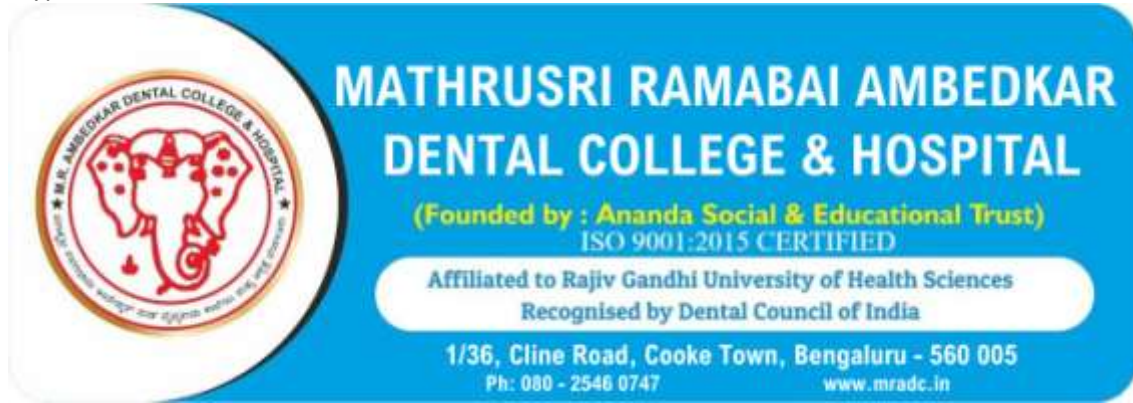
Objective	Content	T – L Method /Medium		Assessment tool	Time
		Teacher activity	Learner activity		
		Lecture-slide projector and model	written assignment, seminar, poster	Oral, written test	
Conclusion					



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## Session 2

Domain: cognitive

Class: III year

Date: .....

No. of students: .....

Time: 9: 30 am

Topic: Impression in RPD

General objective: At the end of the session, the learners will be able to: have an overview of the types of physiologic impression technique used in RPD

Specific learning objectives: At the end of the session, the learners should be able to:

1. Define physiological impression technique
2. Enumerate the produced involved in fluid wax impression in RPD
3. Describe alter cast technique

Set induction: Time: 60 mins

Objective	Content	T – L Method /Medium		Assessment tool	Time
		Teacher activity	Learner activity		
		Lecture-slide projector and model	written assignment, seminar, poster	Oral, written test	
Conclusion					



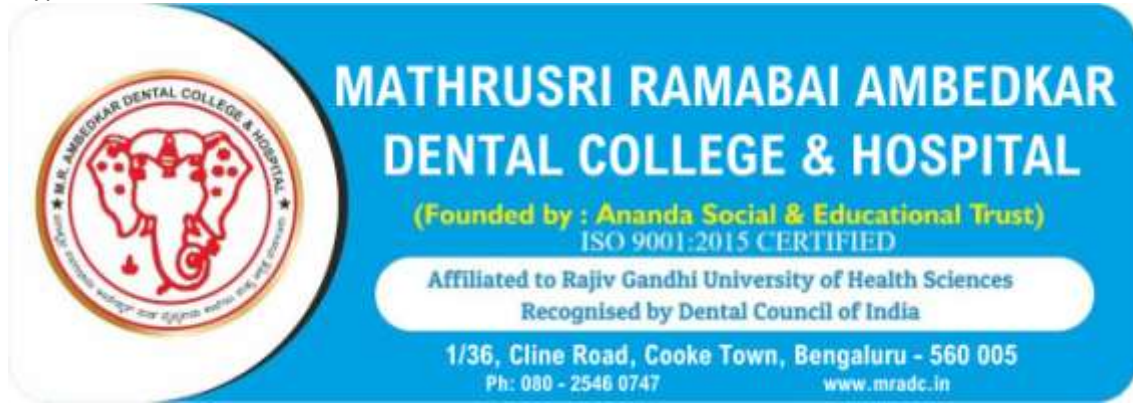
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### RPI And RPA System

#### Session 1

Domain: cognitive

Class: III year

Date: .....

No. of students: .....

Time: 9: 30 am

Topic: RPD And RPA System

General objective: At the end of the session, the learners will be able to:have a over view on RPI and RPA system

Specific learning objectives: At the end of the session, the learners should be able to:

1. Describe the RPI system
2. Describe RPA system
3. Describe the principle of RPI system
4. Enumerate the advantages and disadvantage of RPI and RPA
5. Enumerate the indication and contraindication of RPI and RPA

induction: Time: 60 mins

Objective	Content	T – L Method /Medium		Assessment tool	Time
		Teacher activity	Learner activity		
		Lecture-slide projector and model	written assignment, seminar, poster	Oral, written test	
Conclusion					

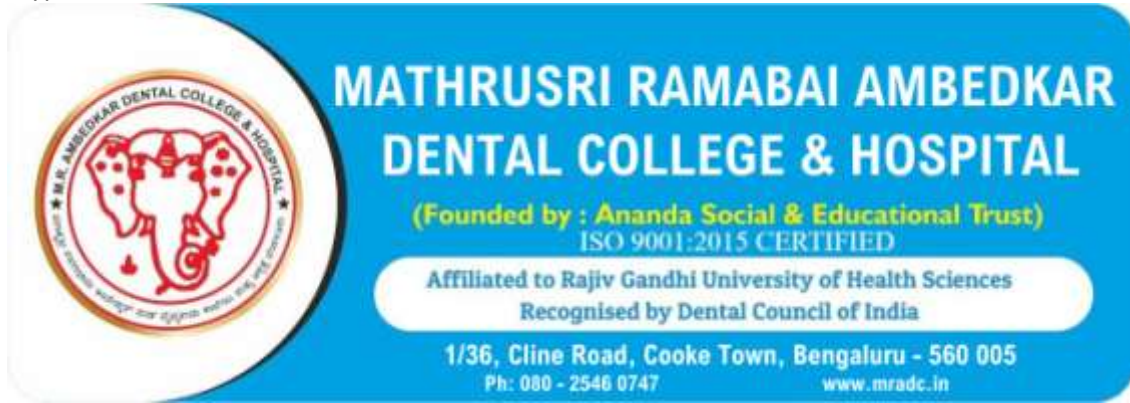


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### Precession attachment

#### Session 1

Domain: cognitive

Class: III year

Date: .....

No. of students: .....

Time: 9: 30 am

Topic: Precession attachment

General objective: At the end of the session, the learners will be able to: have an understanding of function of stress breakers in Removable partial denture

Specific learning objectives: At the end of the session, the learners should be able to:

1. Describe different types of stress breakers
2. Discuss advantage and disadvantage of stress breakers
3. Describe the principles of stress breakers
4. Enumerate the advantage and disadvantage of rigid stress breakers

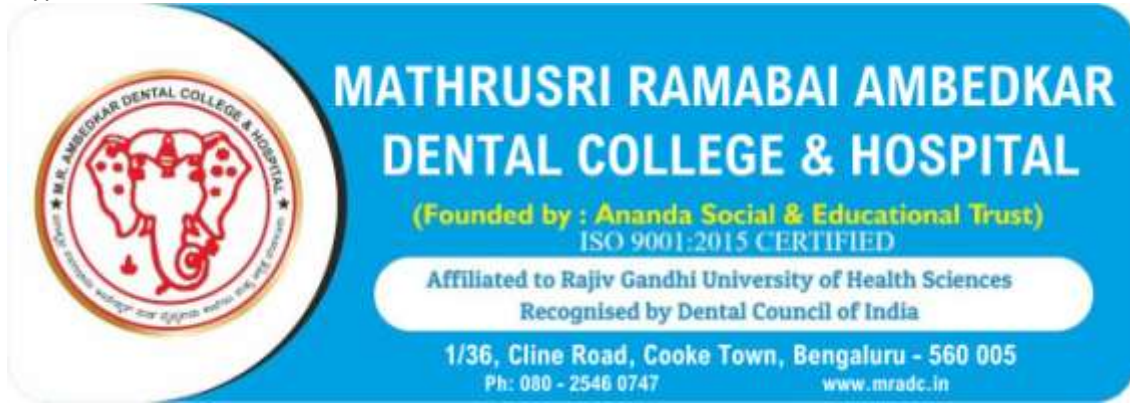
Set induction: Time: 60 mins

Objective	Content	T – L Method /Medium		Assessment tool	Time
		Teacher activity	Learner activity		
		Lecture-slide projector	written assignment, seminar,	Oral, written test	
Conclusion					



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## Principle of removable denture

### Session 1

Domain: cognitive

Class: III year

Date: .....

No. of students: .....

Time: 9: 30 am

Topic: Principle of removable denture

General objective: At the end of the session, the learners will be able to: have an understanding of biomechanical consideration of Removable partial denture

Specific learning objectives: At the end of the session, the learners should be able to:

1. Enumerate then biomechanical consideration in RPD
2. Discuss factors influencing on RPD
3. Describe the essentials of partial denture design

Set induction: Time: 60 mins

Objective	Content	T – L Method /Medium		Assessment tool	Time
		Teacher activity	Learner activity		
		Lecture-slide projector	written assignment, seminar,	Oral, written test	
Conclusion					



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**Topic: Introduction and Definitions of Fixed Partial Denture**

**Domain: cognitive Training /learning experiences**

**Method**

**Medium**

**Classroom**

**Practical**

**Aids**

Theory class

model demonstration

AV- PPT &

Videos

**Expected hours: 1 hour**

**Number of Classes : 01**

**General objective:** To have an overview regarding introduction, definition, types, indication and contraindication of FPD.

**Specific learning objective:** At the end of the session, the learners should be able to:

- I. Have an basic introduction of FPD
- II. Define terminologies in FPD – Retainer, Abutment, Pontic, Connector, Post and Core, Die, Die spacer, Die pins, Veneer, Laminates
- III. Describe full veneer crown and partial veneer crown
- IV. Enlist different types of resin bonded FPD and Provisional restorations
- V. Name different luting cements
- VI. Define Stress breakers
- VII. Enlist indications and contraindication of FPD

Induction time :15 mins

Assessment : MCQs

Conclude : Poster,

Written assignment

Faculty : Dr Hariprasad

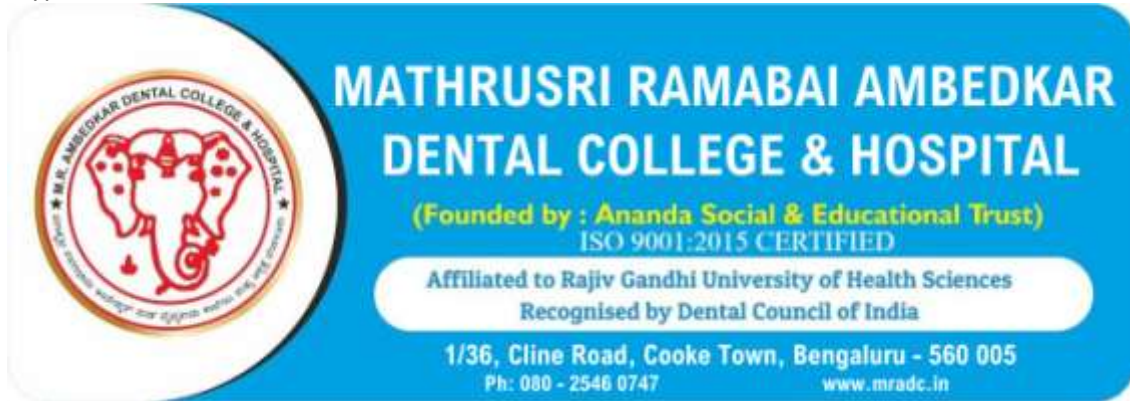


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## Topic: Examination, Diagnosis, Treatment Planning And Radiological Interpretations

Domain: cognitive

Training /learning experiences

Method

Medium

Classroom

Practical

Aids

Theory class

model demonstration

AV- PPT &

Videos

Expected hours :1 hours

Number of Classes : 01

**General objective** To have an overview of examination, diagnosis, treatment planning and radiological interpretations of FPD

**Specific learning objective:** At the end of the session, the learners should be able to:

- I. Discuss diagnosis and treatment planning in FPD
- II. Evaluate radiographic examination which includes
  1. The level of alveolar bone
  2. Crown root ratio of abutment teeth
  3. Morphology of roots
  4. Thickness of soft tissue in edentulous area

Induction time :15 mins

Assessment : MCQs

Conclude : Poster,

Written assignment

Faculty : Dr Hariprasad

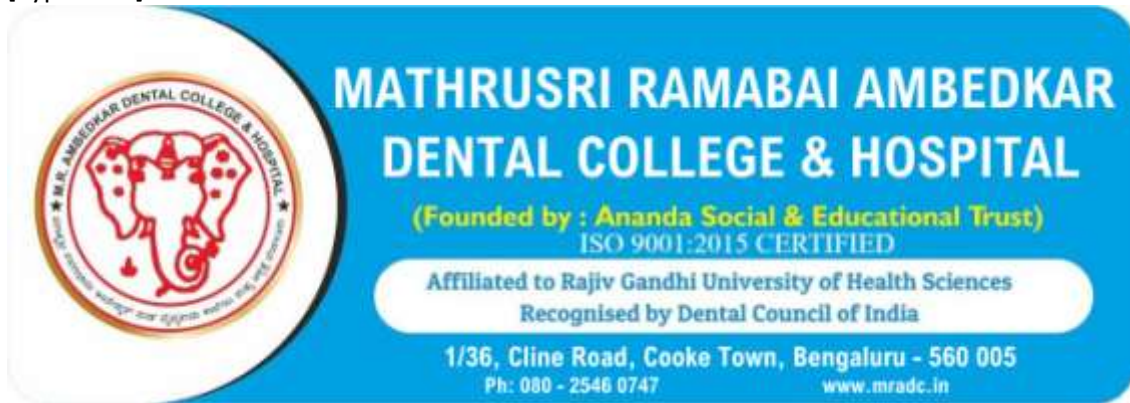


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## Topic: Selection and Choice Of Abutment Teeth

Domain: cognitive  
Medium

Training /learning experience Method

	Classroom	Practical	Aids
Videos	Theory class	model demonstration	AV- PPT &

Expected hours: 1 hours

Number of Classes : 01

**General Objective:** To have an overview regarding selection and choice of abutment teeth  
**Specific learning objective:** At the end of the session, the learners should be able to:

- I. Discuss and enumerate the selection of abutment teeth under the following criteria
  1. Location, position and condition of abutment teeth
  2. Crown root ratio
  3. Root configuration
  4. Root support
  5. Periodontal ligament area
  6. Assessment of pulpal health
  7. Condition of the residual ridge

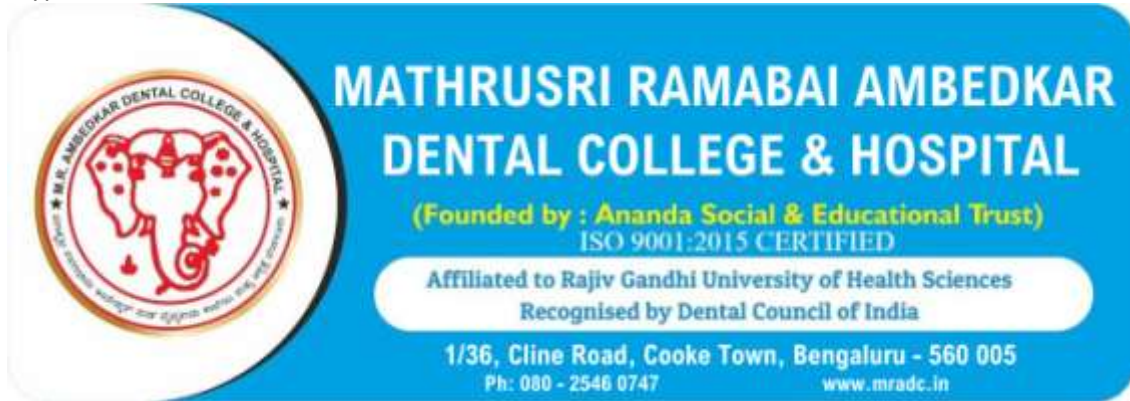


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- II. Describe tilted molar abutment
- III. Describe pier abutments

Induction time :15 mins      Assessment : MCQs

Conclude : Poster,

Written assignment

Faculty Dr Hariprasad

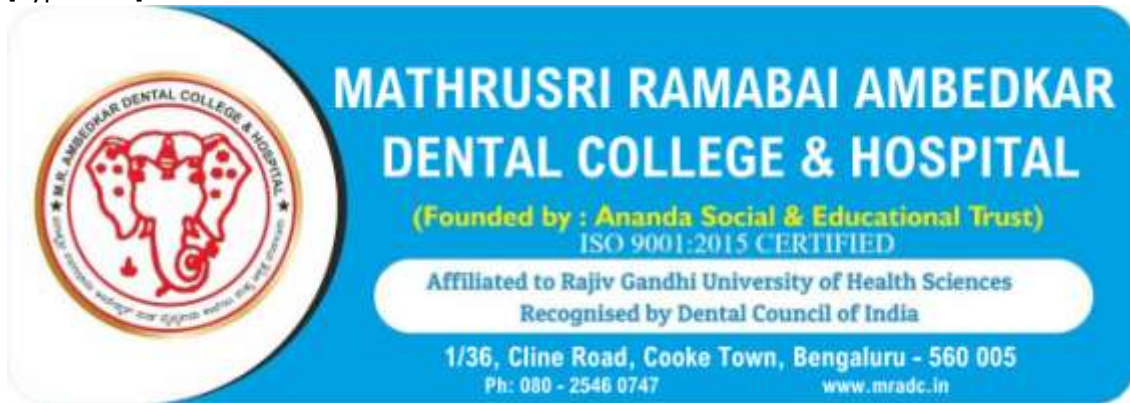


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## Topic: Biomechanical Principles of Tooth Preparation

Domain: cognitive

Training /learning experiences

Method

Medium

Classroom

Practical

Aids

Theory class

model demonstration

AV- PPT &

Videos

Expected hours : 2 hours

Number of Classes : 02

**General objective:** To discuss in detail on the biomechanical principles of tooth preparation

**Specific learning objective:** At the end of the session 1, the learners should be able to:

Discuss the biomechanical principles of tooth preparation under the following headings

1. Preservation of tooth structure
2. Retention and resistance form
3. Structural durability of the restoration
4. Marginal integrity



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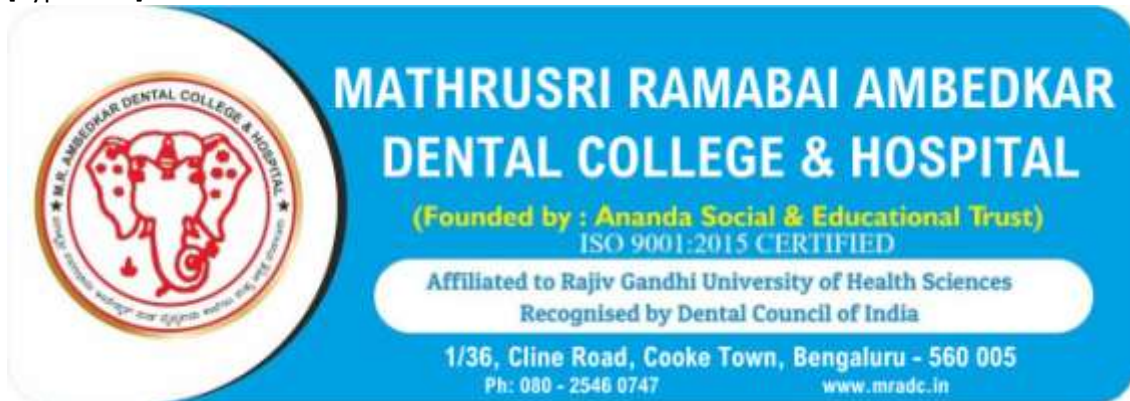
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**General objective:** To discuss in detail on the biomechanical principles of tooth preparation



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**Specific learning objective:** At the end of this session 2, students will be able to

Discuss the biomechanical principles of tooth preparation under the following headings

1. Preservation of periodontium
2. Finish lines configurations
3. Instrumentation

Induction time :15 mins

Assessment : MCQ Conclude : Poster,



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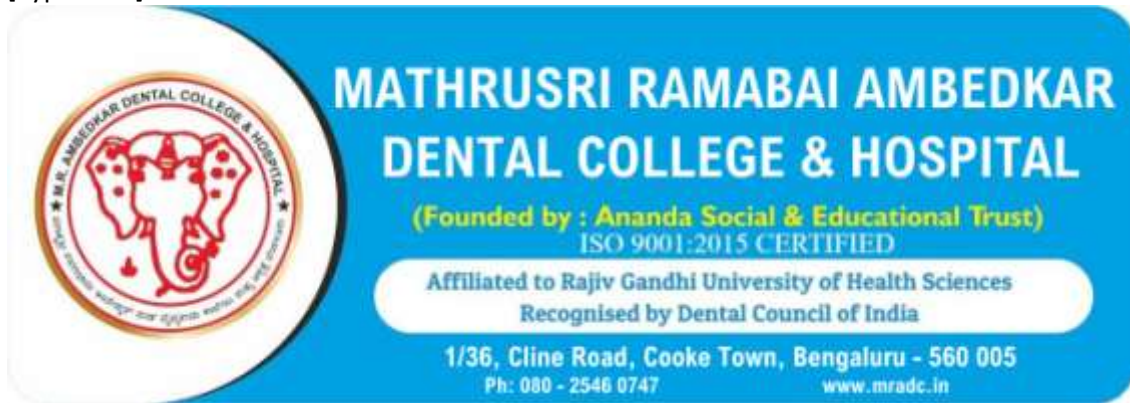
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**Topic: Preparation for Partial Veneer Crowns**

**Domain: cognitive**

**Training /learning experiences**

[Type here]



**Method**

**Medium**

**Classroom**

**Practical**

**Aids**

Theory class

model demonstration

AV- PPT &

Videos

**Expected hours : 2 hours**

**Number of Classes : 02**

**General objective:** To discuss in detail on the preparation for partial veneer crowns

**Specific learning objective:** At the end of this session 1, students will be able to

- I. Describe indications, contraindications, armamentarium and preparation for maxillary and mandibular anterior and posterior three quarter crowns
- II. Describe indications, contraindications, armamentarium and preparation for pin modified three quarter crown
- III. Describe indications, contraindications, armamentarium and preparation for seven eight crown

**General objective:**To discuss in detail on the preparation for partial veneer crowns



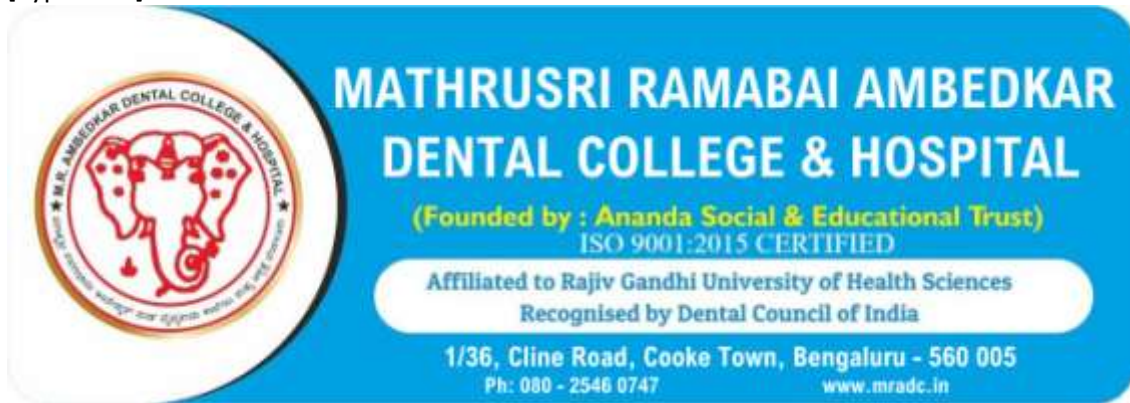
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**Specific learning objective:** At the end of this session 2 students will be able to ;

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- I. Describe indications, contraindications, armamentarium and preparation for proximal half crown
- II. Describe indications, contraindications, armamentarium and preparation for inlay preparation
- III. Describe indications, contraindications, armamentarium and preparation for MOD onlay

Induction time :15 mins      Assessment : MCQs  
Conclude : Poster, Written assignment  
Faculty Dr Hariprasad



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**Topic :Preparation For Full Veneer Crowns**

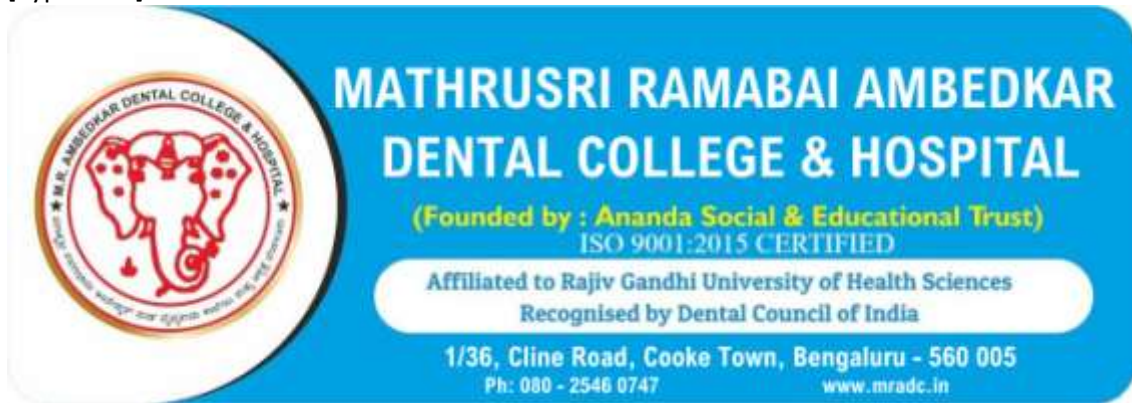
**Domain: cognitive**

**Training /learning experiences**

**Method**

**Medium**

[Type here]



**Classroom**

**Practical**

**Aids**

Theory class

model demonstration

AV- PPT &

Videos

**Expected hours : 1 hours**

**Number of Classes : 01**

**General objective:** To discuss in detail on the preparation for full veneer crowns

**Specific learning objective:** At the end of this session , students will be able to

- I. Describe indications, contraindications, armamentarium and preparation for all metal full veneer crowns
- II. Describe indications, contraindications, armamentarium and preparation for anterior metal ceramic full veneer crowns
- III. Describe indications, contraindications, armamentarium and preparation for posterior metal ceramic full veneer crowns
- IV. Describe indications, contraindications, armamentarium and preparation all ceramic full veneer crowns

Induction time :15 mins      Assessment : MCQs

Conclude : Poster      Written assignment Faculty      Dr Hariprasad



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**Topic :Restoration      Of Extensively Damaged Abutments  
And Endodontically Treated Teeth**

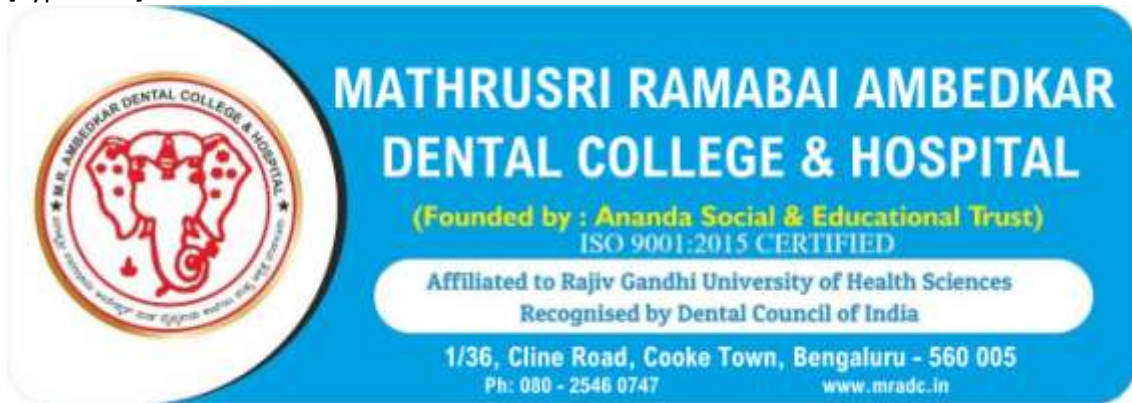
**Domain: cognitive**

**Training /learning experiences**

**Method**

**Medium**

[Type here]



**Classroom**

**Practical**

**Aids**

Theory class

model demonstration

AV- PPT &

Videos

**Expected hours :2 hours**

**Number of Classes : 02**

**General objective:**– To have on overview on restoration of extensively damaged abutments and endodontically treated teeth

**Specific learning objective:** – At the end of this session 1, students will be able to

- I. Describe armamentarium and preparation modification for damaged teeth
- II. Describe armamentarium and preparation modification for damaged vital teeth
- III. Describe the method and preparation for conversion of defects into retentive features

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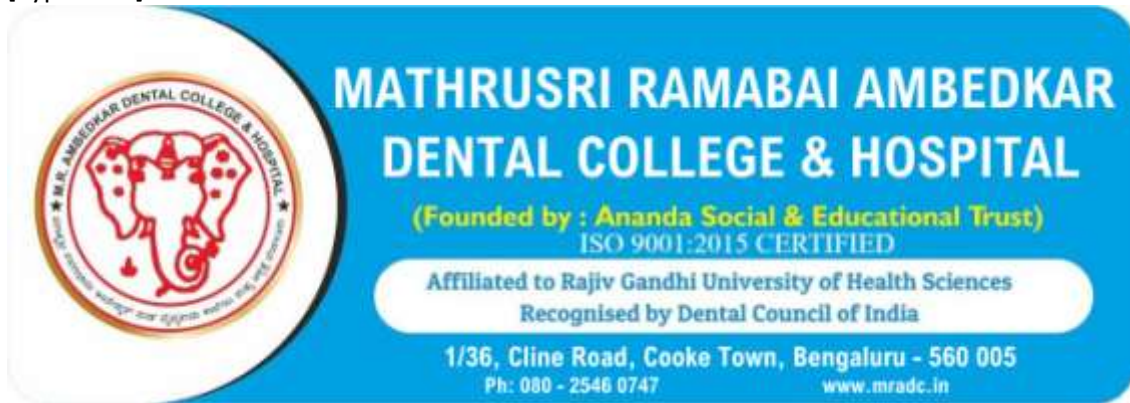
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**General objective:**To have on overview on restoration of extensively damaged abutments and endodontically treated teeth

**Specific learning objective:**At the end of this session 2, students will be able to

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- I. Discuss the essential factors to be considered during dowel core preparation
- II. Enlist different types of dowel cores and discuss the technique of fabrication of custom made dowel cores
- III. Discuss the preparation modification for special situations

Induction time :15 mins      Assessment : MCQs

Conclude : Poster,

Written assignment

Faculty Dr Mohammed HS



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**Topic :Fluid Control, Soft Tissue Management And Impression  
Procedures in FPD**

**Domain: cognitive**

**Training /learning experiences**

**Method**

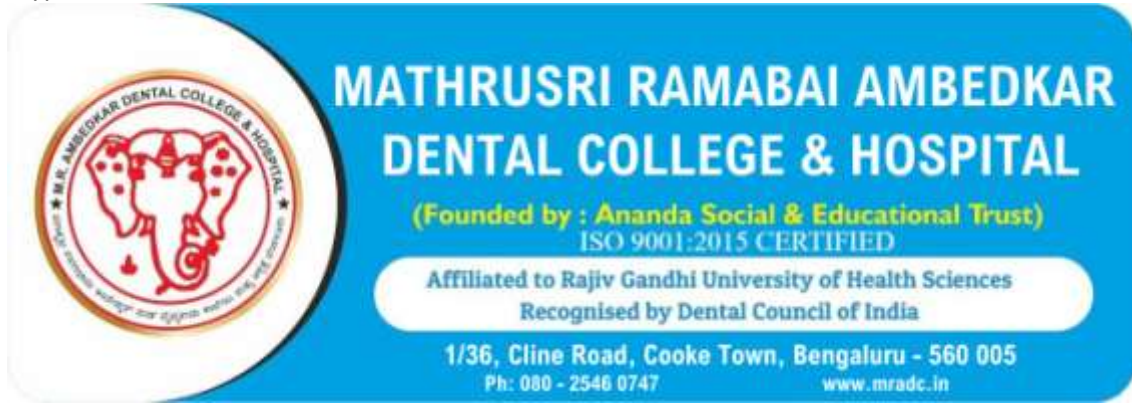
**Medium**

**Classroom**

**Practical**

**Aids**

[Type here]



Videos

Theory class model demonstration AV- PPT &

**Expected hours : 2 hours**

**Number of Classes : 02**

**General objective:**– To have on overview on fluid control and soft tissue management in FPD

**Specific learning objective:** – At the end of this session 1, students will be able to

- I. Describe objectives and various types of fluid control in FPD
- II. Discuss in detail retraction of gingival tissues
- III. Enlist various methods of gingival retraction

**General objective:**To have on overview on impression procedures in FPD

**Specific learning objective:**At the end of this session 2, students will be able to

- I. Describe ideal requirements of impression materials used for FPD
- II. Discuss in detail the various impression techniques in FPD
- III. Describe the impression technique for pin retained restoration or post space impression for endodontically treated teeth

Induction time :15 mins Assessment : MCQs Conclude : Poster,



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**Topic :Temporization Or Provisional Restoration**

**Domain: cognitive**

**Training /learning experiences**

**Method**

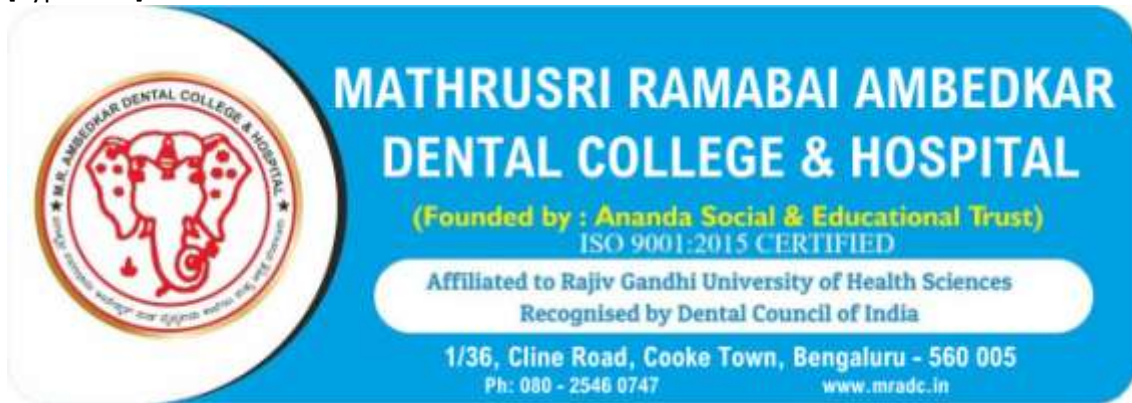
**Medium**

**Classroom**

**Practical**

**Aids**

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Videos

Theory class    model demonstration    AV- PPT &

**Expected hours : 1 hours**

**Number of Classes : 01**

**General objective:** To have an overview on temporization or provisional restoration in FPD

**Specific learning objective:** At the end of this session, students will be able to

- I. Enlist ideal requirements and limitation of provisional restorations
- II. Enumerate various types of provisional restoration
- III. Discuss in detail various methods and technique of provisional restoration

Induction time :15 mins      Assessment : MCQs

Conclude : Poster,

Written assignment

Faculty Dr Hariprasad



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**Topic :Laboratory Procedures Involved In The Fabrication Of FPD**

**Domain: cognitive**

**Training /learning experiences**

**Method**

**Medium**

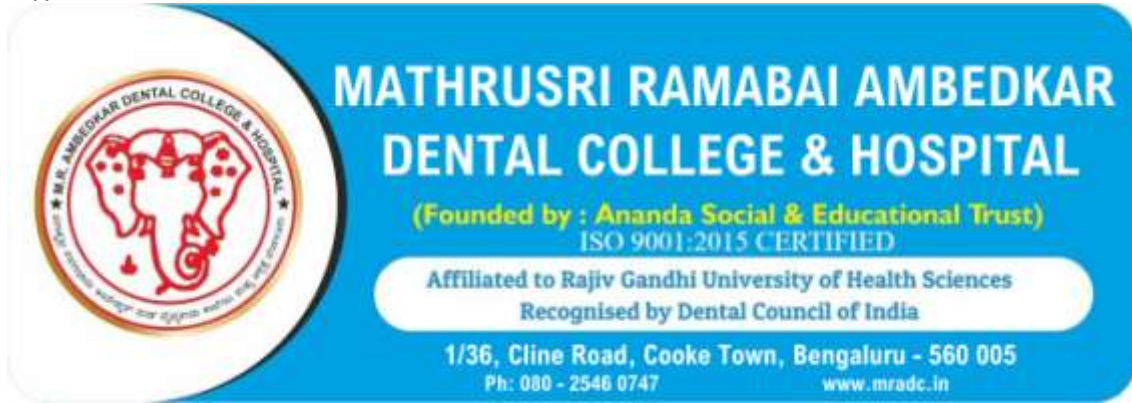
**Classroom**

**Practical**

**Aids**



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Videos

Theory class    model demonstration    AV- PPT &

**Expected hours : 1 hours**

**Number of Classes : 01**

**General objective:** To have an overview of laboratory procedures involved in the fabrication of FPD

**Specific learning objective:** At the end of this session, students will be able to

- I. Describe in detail dies and working cast
- II. Explain the different methods of wax pattern fabrication
- III. Describe the process of casting procedure and enumerate various casting defects
- IV. Soldering and welding

Induction time :15 mins

Assessment : MCQs

Conclude : Poster,

Written

assignment

Faculty Dr Hariprasad



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**Topic : Selection And Fabrication of Pontics And Connectors**

**Domain: cognitive**

**Training /learning experiences**

**Method**

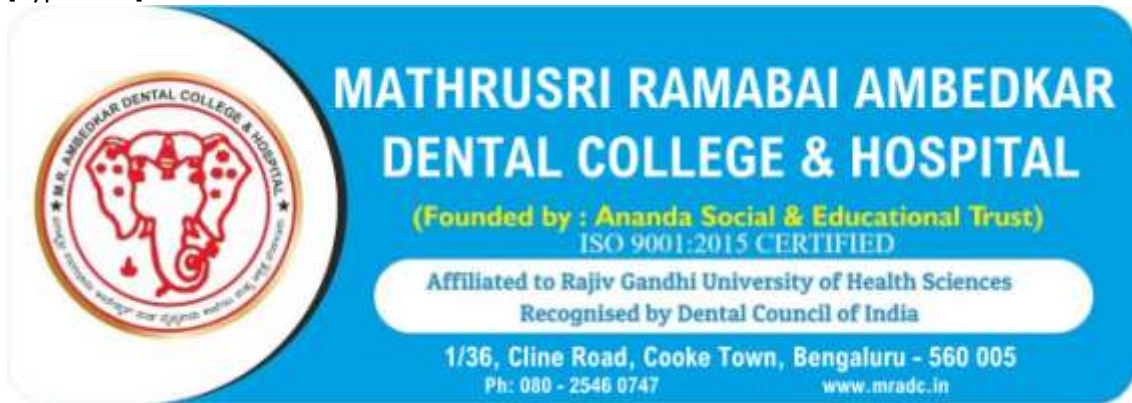
**Medium**

**Classroom**

**Practical**

**Aids**

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Videos

Theory class    model demonstration    AV- PPT &

**Expected hours : 1 hours**

**Number of Classes : 01**

**General objective:** To have an overview of selection and fabrication of pontics and connectors

**Specific learning objective:** At the end of this session, students will be able to

- I. Illustrate on various pontic designs for FPD
- II. Classification of pontics in FPD
- III. Pier abutments
- IV. Indication of non rigid connector

Induction time :15 mins      Assessment : MCQs

Conclude : Poster,

Written assignment

Faculty Dr Mohammed HS



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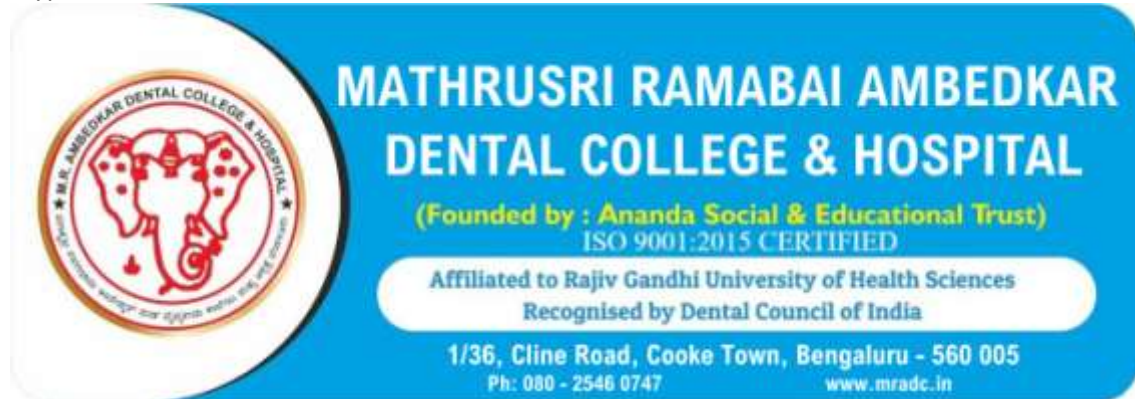
Final BDS

**Topic:** Introduction to Complete Denture

**Domain:** Cognitive

<b>T – L Method /Medium</b>	
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Teacher activity	Learner activity	Aids
Lecture	Poster, Models	Slide projector and model

**Expected Hours: 60 mins**

**Number of Classes: 1**

**General Objectives:** At the end of the session, the learner will be able to have an overview of complete denture & know the parts of a complete denture

**Specific Learning Objectives:**

1. Define a Complete Denture
2. Enumerate the objectives of complete denture fabrication
3. Identify the parts of a complete denture
4. Enlist the steps in fabrication of a complete denture



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**Topic:** Residual Ridge Resorption

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Written assignment	Slide projector and model

**Expected Hours:** 60 min

**Number of Classes:** 1

**General Objectives:** At the end of the session, the learner will be able to have an understanding of the pathophysiology Residual Ridge Resorption (RRR)

**Specific Learning Objectives:**

1. Define RRR
2. Classify the Residual Ridges
3. Describe the resorption pattern in maxilla & mandible
4. Describe the etiological factors of RRR
5. Describe the treatment modalities/ management of RRR



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**Topic:** Sequelae of wearing CD/ Tissue Response

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Poster	Slide projector and model

**Expected Hours:** 60 mins

**Number of Classes:** 1

**General Objectives:** At the end of the session, the learner will be able to understand the tissue response or sequelae of wearing a CD

**Specific Learning Objectives:**

1. Enumerate the various tissue responses to wearing a CD
2. Differentiate between the various soft tissue changes
3. Explain denture stomatitis along with its etiology, classification, and management
4. Explain Burning mouth syndrome along with its etiology, classification, and management
5. Explain epulis fissuratum along with its etiology, classification, and management
6. Explain flabby ridge along with its etiology, classification, and management
7. Enumerate the other sequelae like gagging, RRR, altered taste/speech, angular cheilitis



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**Topic:** Diagnosis and Treatment Planning for CD

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Poster, Role play	Slide projector and model

**Expected Hours:** 60 mins

**Number of Classes:** 1

**General Objectives:** At the end of the session, the learner will be able to understand how to diagnose and plan treatment for a completely edentulous patient

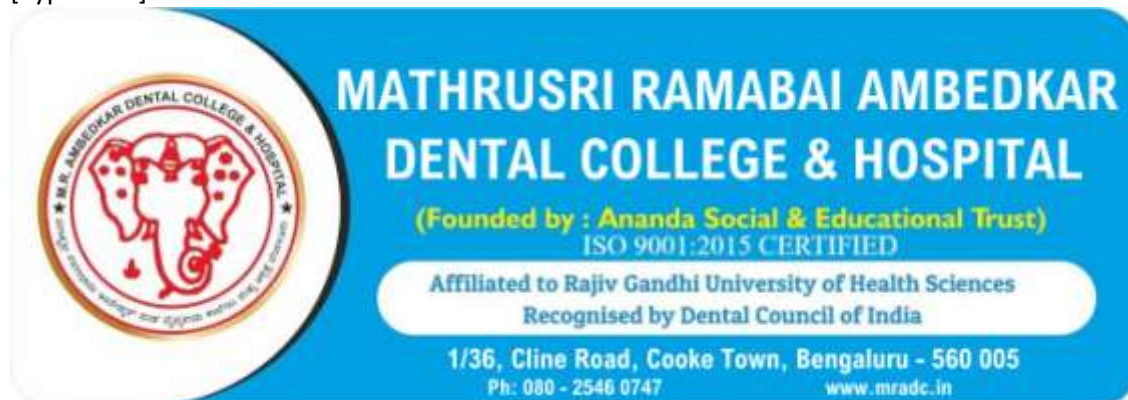
**Specific Learning Objectives:**

1. Define Diagnosis
2. Enumerate the factors to be recorder under demographic details of the patient
3. Enumerate the criteria to record chief complaint and explain its significance
4. Explain the importance of recording past dental history and enumerate the question to be asked that are relevant to a completely edentulous patient,
5. Explain the importance of medical history and significance of medication
6. Explain the importance of evaluating pre-existing dentures
7. Record the diet and nutrition of the patient
8. Enumerate the sequence of extraoral examination
9. Enumerate the sequence of intra oral examination
10. Explain the importance of radiographic examination
11. Enumerate the stages involved in treatment planning



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**Topic:** Impressions in Complete Denture

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Poster, Models	Slide projector and model

**Expected Hours:** 60 min

**Number of Classes:** 1

**General Objectives:** At the end of the session, the learners will be able to: have an overview and understand the principles and objectives of impression making.

**Specific Learning Objectives:**

1. Enumerate the principles of impression making
2. Enumerate the theories of impression making
3. Differentiate between open & closed mouth techniques
4. Enumerate the various materials
5. Classify these materials as mucostatic and mucocompressive materials
6. Define final impression
7. Discuss border moulding and special tray

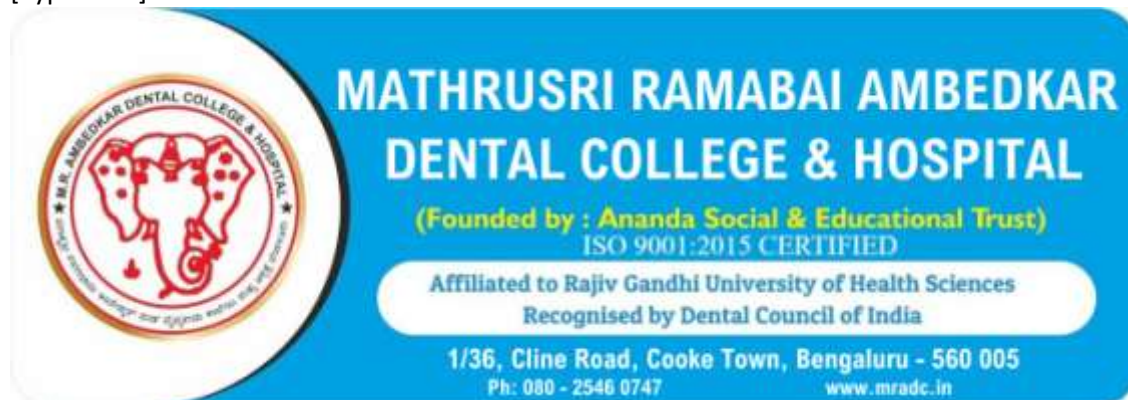


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**Topic:** Mandibular Movements

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Written assignment	Slide projector and model

**Expected Hours:** 60 mins

**Number of Classes:** 1

**General Objectives:** At the end of the session, the learners will be able to: have an understanding of Mandibular Movements

**Specific Learning Objectives:**

1. Discuss the structure and components of TMJ
2. Enumerate the factors regulating mandibular movements
3. Enlist the mandibular movements
4. Differentiate between working and non-working side condyle
5. Define Bennet angle, Bennet movement, Fisher angle, immediate side shift, percurrent side shift and progressive side shift
6. Discuss the types of border movements in different planes



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**Topic:** Jaw Relation

**Domain:** Cognitive/ Psychomotor

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture, Demonstration	Seminar, Role play	Slide projector and model

**Expected Hours:** 3 Hours

**Number of Classes:** 3

**General Objectives:** At the end of the session, the learners will be able to: have an understanding of Jaw relations

**Specific Learning Objectives:**

1. Enlist various types of jaw relation
2. Define orientation jaw relation
3. Define facebow
4. Enumerate the parts of a facebow
5. Enlist types of facebow
6. Define vertical jaw relation
7. Classify vertical jaw relation
8. Discuss in detail Methods of recording VDR
9. Discuss in detail Methods of recording VDO
10. Define horizontal jaw relation
11. Define Centric relation
12. Discuss methods to record centric relation
13. Define eccentric relations
14. Enumerate types of eccentric relation



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**Topic:** Articulators

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Poster, Written assignment	Slide projector and model

**Expected Hours:** 1 hr

**Number of Classes:** 1

**General Objectives:** At the end of the session, the learner will be able to have an understanding of articulators

**Specific Learning Objectives:**

1. Define articulators
2. Enumerate functions of articulators
3. Enumerate the advantages and disadvantages of articulators
4. Enumerate the advantages and disadvantages of minor connectors
5. Enumerate the requirements of an articulator
6. Enumerate various classification of articulators
7. Describe mean value articulators
8. Describe semi adjustable articulator
9. Differentiate between arcon and non-arcon articulators

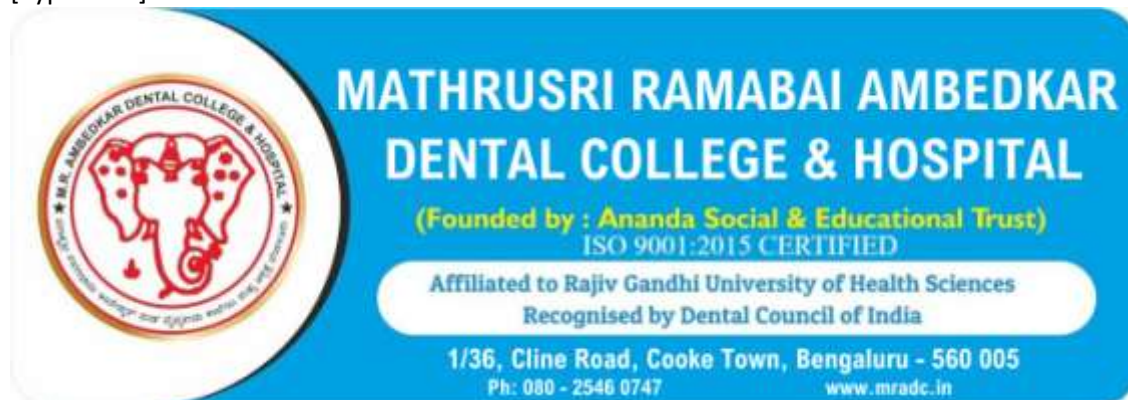


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**Topic:** Occlusion

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Written assignment, Poster	Slide projector and model

**Expected Hours:** 2hrs

**Number of Classes:** 2

**General Objectives:** At the end of the session, the learners will be able to: have an overview of the different types of occlusions

**Specific Learning Objectives:**

1. Define occlusion
2. Define balanced occlusion
3. Differentiate between natural & complete denture occlusion
4. Enumerate the requirements of complete denture occlusion
5. Enumerate Factors affecting balanced occlusion
6. Illustrate Hanau's Quint
7. Thielman's formula
8. Define condylar guidance
9. Define incisal guidance
10. Discuss the importance of occlusal plane
11. Discuss various compensating curves
12. Write about cuspal inclination
13. Enumerate type of occlusion



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**Topic:** Selection of artificial teeth

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Written assignment	Slide projector and model

**Expected Hours:** 2 hrs

**Number of Classes:** 2

**General Objectives:** At the end of the session, the learner will be able to have an understanding of artificial teeth selection

**Specific Learning Objectives:**

1. Enumerate the objectives of teeth selection
2. Describe the factors affecting teeth selection for anterior teeth
3. Describe the factors affecting teeth selection for posterior teeth
4. Enumerate the various materials used for making artificial teeth
5. Differentiate between resin and porcelain teeth
6. Discuss the various tooth forms

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**Topic:** Teeth Arrangement

**Domain:** Cognitive/Psychomotor

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Demonstration	Slide projector and model

**Expected Hours:** 1hr

**Number of Classes:** 1

**General Objectives:** At the end of the session, the learners will be able to: have an understanding of principles of Teeth Arrangement

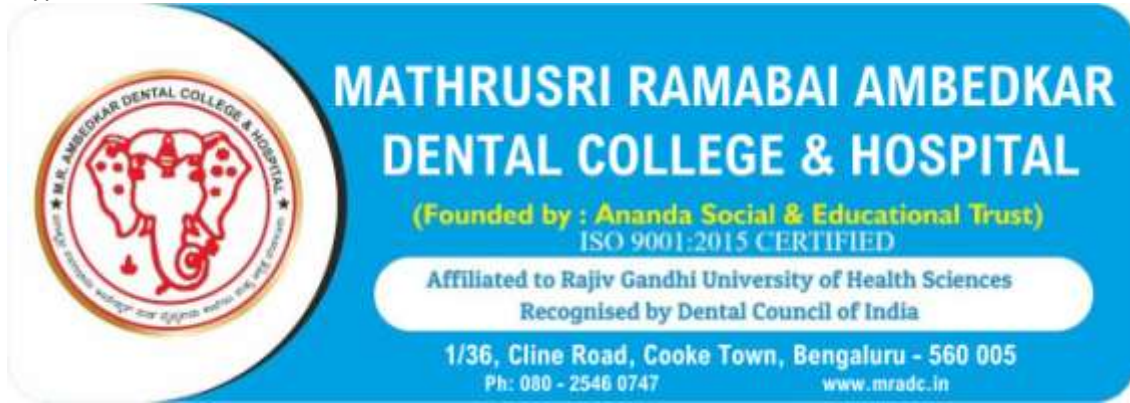
**Specific Learning Objectives:**

1. Enumerate the principles of teeth arrangement
2. Enumerate molar & canine key of occlusion
3. Discuss the factors influencing teeth arrangement
4. Discuss the Dentogenic concept



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**Topic:** Try- in

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Poster, Models	Slide projector and model

**Expected Hours:** 1hr

**Number of Classes:** 1

**General Objectives:** At the end of the session, the learner will be able to have an understanding of try-in procedure

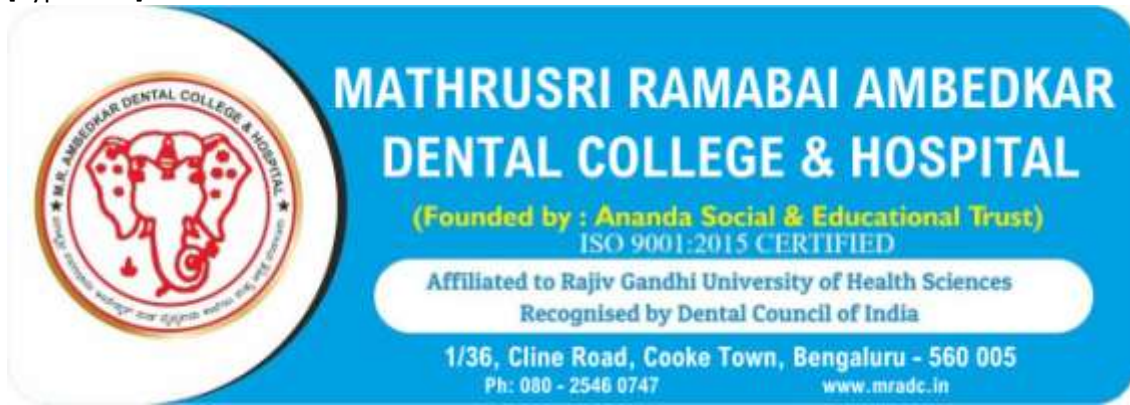
**Specific Learning Objectives:**

1. Define try-in procedure
2. Enumerate the steps in evaluation of maxillary trial denture
3. Enumerate the steps in evaluation of mandibular trial denture
4. Describe the steps in evaluating both dentures together



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**Topic:** Remounting

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Seminar	Slide projector and model

**Expected Hours:** 1hr

**Number of Classes:** 1

**General Objectives:** At the end of the session, the learner will be able to have an understanding of remounting procedure

**Specific Learning Objectives:**

1. Differentiate between clinical and lab remount
2. Describe clinical remount
3. Describe the procedure for occlusal correction
4. Describe selective grinding

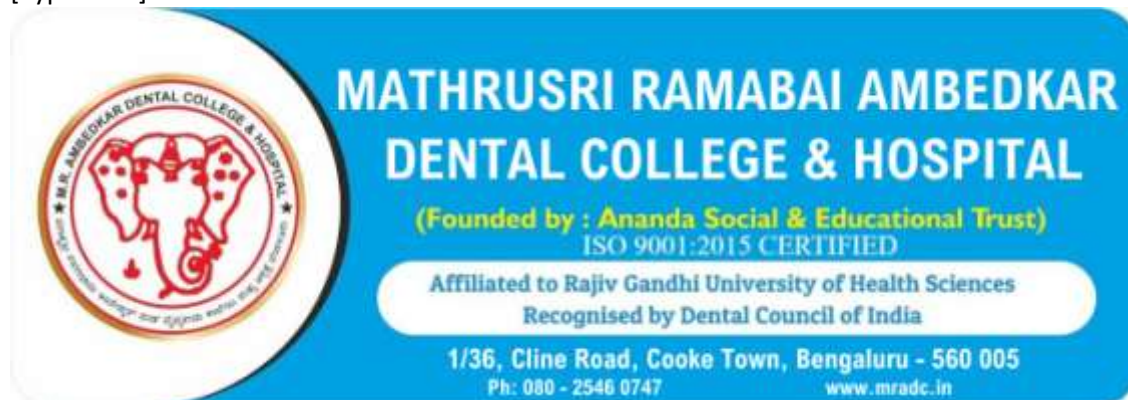


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**Topic:** Denture Insertion & Post Insertion Check-up

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Poster, Models	Slide projector and model

**Expected Hours:** 1hr

**Number of Classes:** 1

**General Objectives:** At the end of the session, the learners will be able to: have an understanding of laboratory procedures involved in fabricating partial denture framework in Removable partial denture

**Specific Learning Objectives:**

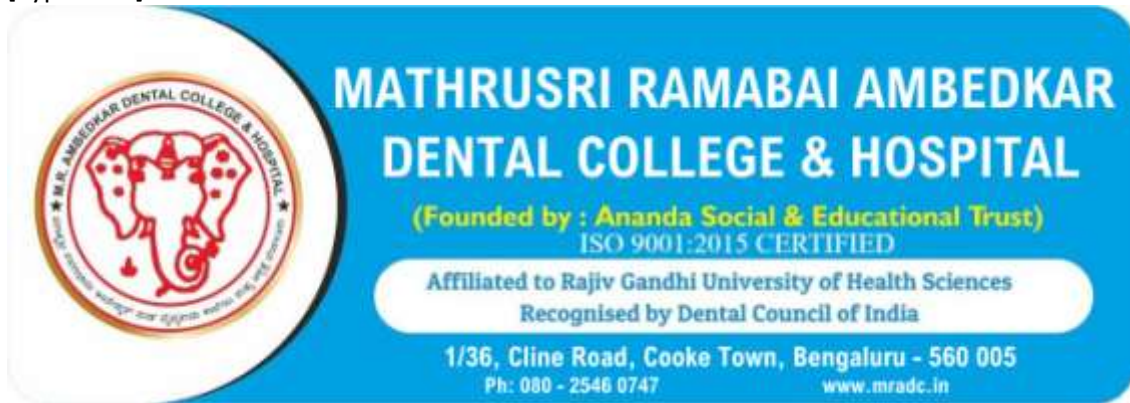
1. Enumerate the factors to be evaluated during denture placement
2. Discuss post insertion instruction given to the patient
3. Discuss recall and maintenance for CD patient
4. Discuss various postinsertion problems and how to manage the same
5. Discuss denture adhesives



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**Topic:** Relining and Rebasing

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Written assignment, Seminar	Slide projector and model

**Expected Hours:** 2hrs

**Number of Classes:** 2

**General Objectives:** At the end of the session, the learners will be able to: have an understanding of occlusal records and processing of the denture

**Specific Learning Objectives:**

1. Describe relining
2. Discuss the indication and contraindication of relining
3. Describe rebasing
4. Discuss the indication and contraindication of rebasing
5. Differentiate between relining and rebasing



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**Topic:** Single Complete Denture

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Written assignment, Seminar	Slide projector and model

**Expected Hours:** 1hr

**Number of Classes:** 1

**General Objectives:** At the end of the session, the learner will be able to have an understanding of Single Complete Denture

**Specific Learning Objectives:**

1. Define a single complete denture
2. Define combination syndrome
3. Describe features of combination syndrome
4. Describe pathophysiology of combination syndrome
5. Describe prevention and treatment planning for single complete denture

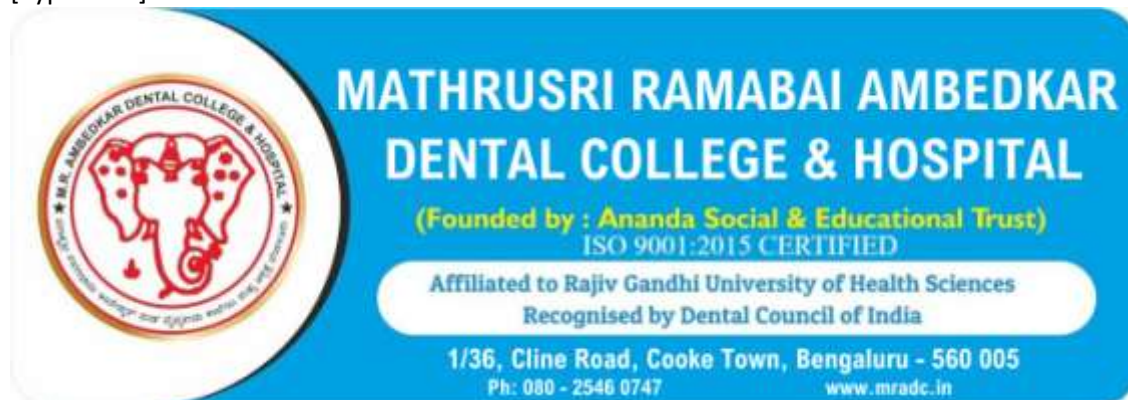


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**Topic:** Immediate Denture

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Poster, Models	Slide projector and model

**Expected Hours:** 1hr

**Number of Classes:** 1

**General Objectives:** At the end of the session, the learner will be able to have an understanding of immediate Denture

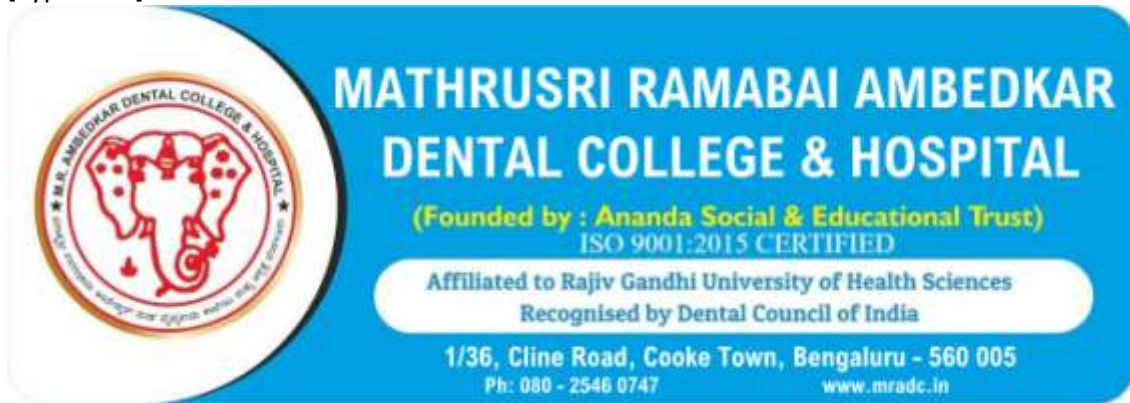
**Specific Learning Objectives:**

1. Define an immediate denture
2. Enumerate indications & contraindications of immediate denture
3. Differentiate between delayed & transitional denture
4. Describe treatment planning for immediate denture
5. Describe preparation of surgical template
6. Describe processing and occlusal correction for ID
7. Describe the postoperative care and instructions to be given



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**Topic:** Implant Supported Denture

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Seminar	Slide projector and model

**Expected Hours:** 1hr

**Number of Classes:** 1

**General Objectives:** At the end of the session, the learner will be able to have an understanding of implant supported denture

**Specific Learning Objectives:**

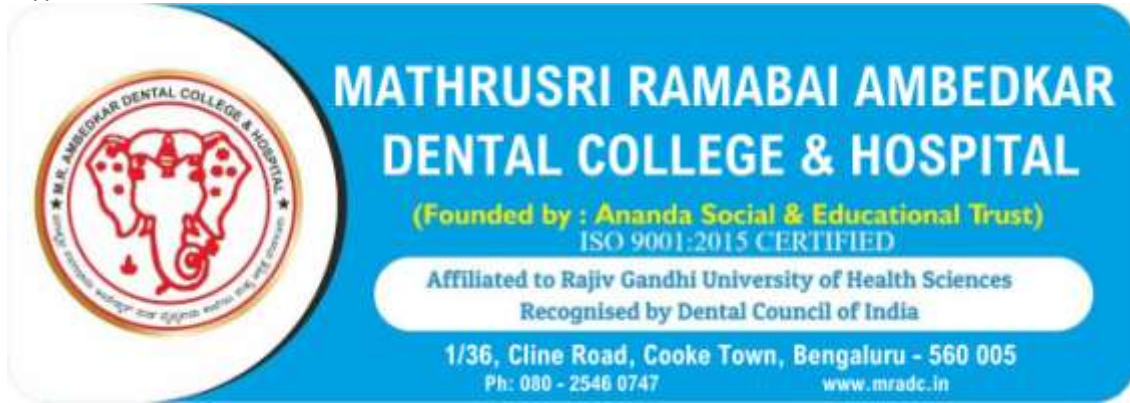
1. Define a dental implant
2. Enumerate the parts of a dental implant
3. Describe osseointegration
4. Describe the use of dental implants for atrophic edentulous denture

5.



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**Topic:** Refitting and Repair

**Domain:** Cognitive

T – L Method /Medium		
Teacher activity	Learner activity	Aids
Lecture	Seminar	Slide projector and model

**Expected Hours:** 1hr

**Number of Classes:** 1

**General Objectives:**

At the end of the session, the learner will be able to have an understanding of refitting and repair

**Specific Learning Objectives:**

1. Define tissue conditioner
2. Enumerate the rationale of using tissue conditioner
3. Enumerate uses of tissue conditioner
4. Define resilient liners
5. Enumerate the composition and uses of resilient liners
6. Enumerate the uses and indication of permanent soft liners



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## Department of oral and maxillofacial surgery

### Lesson plan

Class-4<sup>th</sup> BDS

Domain:-Cognitive

Number of students-75

**TIME**-1hr(2classes of 1hr each)

**Topic** –Cleft lip and palate.

**General objective:** At the end of the session learner will get an overview about cleft lip and palate.

**Specific objective:** To make the student confident enough to diagnose such that a appropriate reference can be provided to the patients.

**Induction time:**30-40 minutes

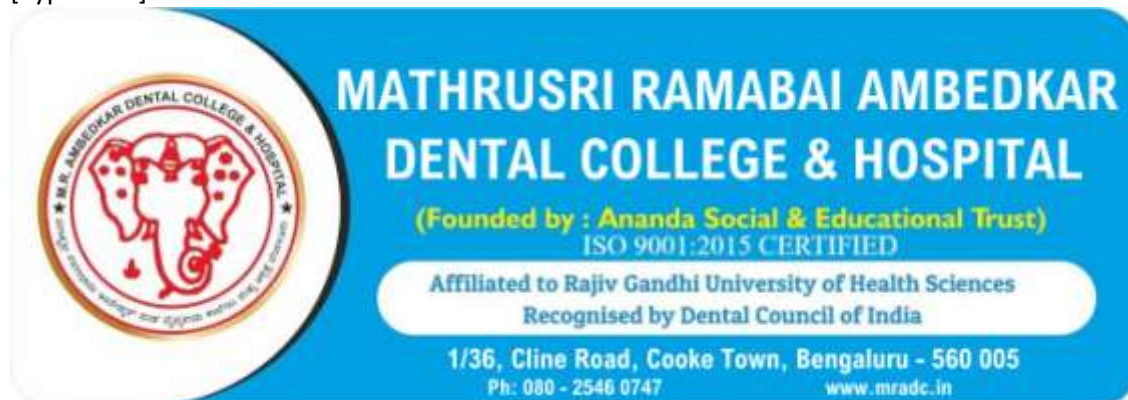
Objective	Method/Medium	Assessment	Time
To make the student confident enough to diagnose such that an appropriate reference can be provided to the patients.	-lecture (chalk & talk) -AV Aids	questionnaire	15mins.

Conclude:-Assignment.



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## Department of oral and maxillofacial surgery

### Lesson plan

Class-4<sup>th</sup> BDS

Domain:-Cognitive

Number of students-75

**TIME**-1hr (4classes of 1hr each)

**Topic** – Facial neuropathy

**General objective:** At the end of the session learner will be able to diagnose, differentiate and treat various facial neuropathies.

**Specific objective:** To make the student understand and differentiate various facial neuropathies such that management or if any further referral required can be dealt appropriately.

**Induction time:** 30-40 minutes.

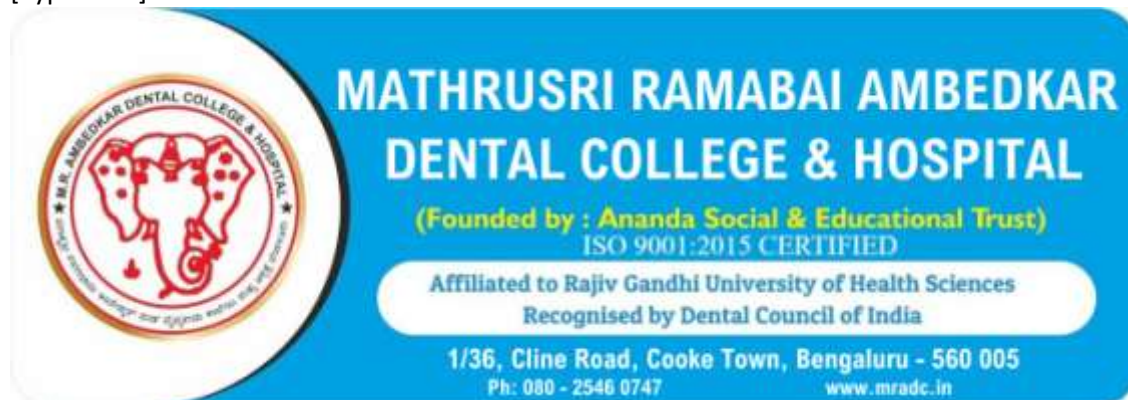
Objective	Method/Medium	Assessment	Time
To make the student understand and differentiate various facial neuropathies such that management or if any further referral required can be dealt appropriately.	-lecture (chalk & talk) -AV Aids	questionnaire	15mins.

Conclude:- Assignment.



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## Department of oral and maxillofacial surgery

### Lesson plan

Class-4<sup>th</sup> BDS

Domain:-Cognitive

Number of students-75

**TIME**-1hr (2 classes of 1hr each)

**Topic** –Maxillary sinus and its implications.

**General objective:** At the end of the session learner will be able to diagnose acute, chronic maxillary sinusitis and management of oroantral communication and fistula.

**Specific objective:** To make the student understand the diagnosis of oroantral communication and management of the same.

**Induction time:**30-40 minutes

Objective	Method/Medium	Assessment	Time
To make the student understand the diagnosis of oroantral communication and management of the same.	-lecture (chalk & talk) -AV Aids	questionnaire	15mins.

Conclude:-Assignment.



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## Department of oral and maxillofacial surgery

### Lesson plan

**Class-** 4<sup>th</sup> BDS

**Domain:-**Cognitive

Number of students-75

**TIME-**1hr (4classes of 1hr each)

**Topic** –TMJ Disorders.

**General objective:** At the end of the session learner will be able to diagnose & differentiate various TMJ disorders and formulate treatment plan.

**Specific objective:** To make the student understand the various tmj disorders, etiology, diagnosis and management.

**Induction time:**30-40 minutes

Objective	Method/Medium	Assessment	Time
To make the student understand the various tmj disorders, etiology, diagnosis and management.	-lecture (chalk & talk) -AV Aids	questionnaire	15mins.

Conclude:- Assignment.



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## Department of oral and maxillofacial surgery



### Lesson plan

Class-4<sup>th</sup> BDS

Domain:-Cognitive

Number of students-75

**TIME**-1hr (2classes of 1hr each)

**Topic** –Mandibular fractures.

**General objective:** At the end of the session learner will be able to diagnose various types of mandibular fractures and formulate treatment plan.

**Specific objective:** To make the student understand the diagnosis, basic principles in the management of mandibular fractures.

**Induction time:**30-40 minutes

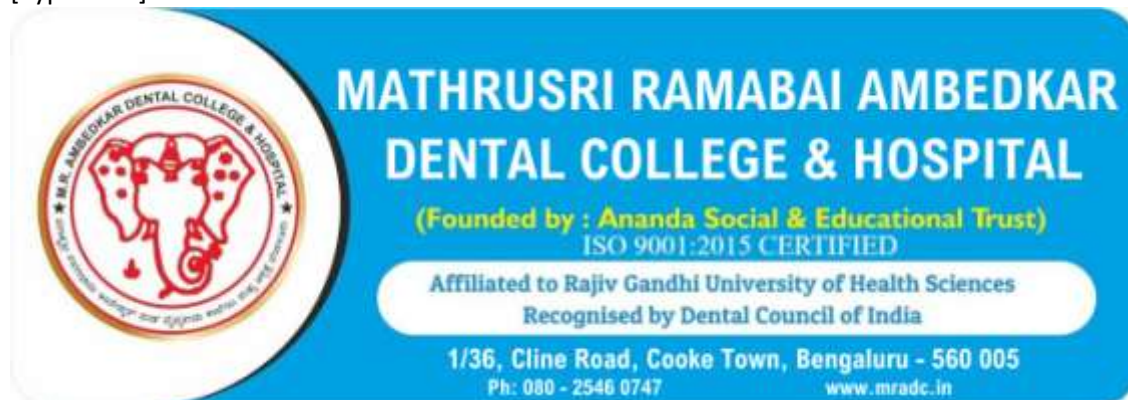
Objective	Method/Medium	Assessment	Time
To make the student understand the diagnosis, basic principles in the management of mandibular fractures.	-lecture (chalk & talk) -AV Aids	questionnaire	15mins.

Conclude:-Assignment.

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## Department of oral and maxillofacial surgery

### Lesson plan

**Class-**4<sup>th</sup> BDS

**Domain:-**Cognitive

Number of students-75

**TIME-**1hr (2classes of 1hr each)

**Topic** –Medical emergencies in dental practice.

**General objective:** At the end of the session learner will be able to identify and manage common medical emergencies encountered in dental practice.

**Specific objective:** To make the student understand the various medical emergencies encountered during routine dental procedures and management of the same.

**Induction time:**30-40 minutes

Objective	Method/Medium	Assessment	Time
To make the student understand the various medical emergencies encountered during routine dental procedures and management of the same.	-lecture (chalk & talk) -AV Aids	questionnaire	15mins.

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Conclude:- Assignment.

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Department of oral and maxillofacial surgery

Lesson plan

Class-4<sup>th</sup> BDS

Domain:-Cognitive

Number of students-75

TIME-1hr (2classes of 1hr each)

Topic –Dental implants.



**General objective:** At the end of the session learner will be able to apply fundamentals in implantology.

**Specific objective:** To make the student understand the principles, techniques, complications of dental implants.

**Induction time:**30-40 minutes

Objective	Method/Medium	Assessment	Time
To make the student learn about the indications, contraindications, principles, techniques, complications of dental implants.	-lecture (chalk &talk) -AV Aids	questionnaire	15mins.

Conclude: - Assignment.

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## Department of oral and maxillofacial surgery

### Lesson plan

**Class-**4<sup>th</sup> BDS

**Domain:-**Cognitive

Number of students-75

**TIME-**1hr (3classes of 1hr each)

**Topic** –Mid face fractures

**General objective:** At the end of the session learner will be able to understand basic principles in fracture reduction and formulate treatment plan in mid face fractures.

**Specific objective:** To make the student understand the principles, techniques, complications in the management of mid face fractures.

**Induction time:**30-40 minutes

Objective	Method/Medium	Assessment	Time
To make the student understand the basic principles, techniques, complications in the management of mid face fractures.	-lecture (chalk & talk) -AV Aids	questionnaire	15mins.

Conclude:-Assignment.



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## Department of oral and maxillofacial surgery

### Lesson plan

**Class-4<sup>th</sup>** BDS

**Domain:-Cognitive**

Number of students-75

**TIME**-2hrs (2classes of 1hr each)

**Topic** –Pre prosthetic surgery

**General objective:** At the end of the session learner will be able to diagnose pre-prosthetic problems and formulate treatment plan for the management of the same.

**Specific objective:** To make the student understand the diagnosis of pre-prosthetic problems and basic principles, techniques involved in pre-prosthetic surgery.

**Induction time:**30-40 minutes

Objective	Method/Medium	Assessment	Time
To make the student understand the diagnosis of pre-prosthetic problems and basic principles, techniques involved in pre-prosthetic surgery.	-lecture (chalk & talk) -AV Aids	questionnaire	15mins.

Conclude:-Assignment.

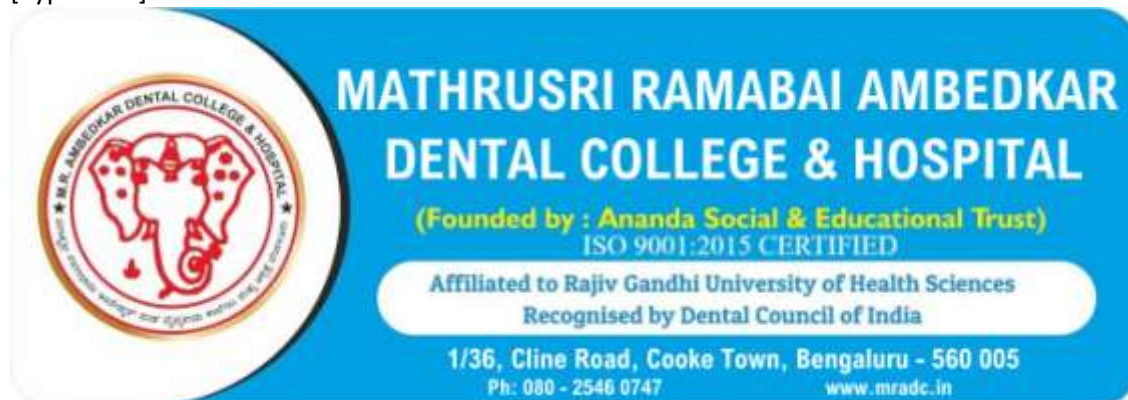
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Department of oral and maxillofacial surgery

Lesson plan

Class-4<sup>th</sup> BDS

Domain:-Cognitive

Number of students-75

**TIME**-2hrs (2classes of 1hr each)

**Topic** –Orthognathic surgery

**General objective:** At the end of the session learner will be able to diagnose skeletal and dental malocclusion, treatment plan for the same.

**Specific objective:** To make the student understand and analyze facial asymmetry and formulate specific treatment plan for correction.

**Induction time:**30-40 minutes.

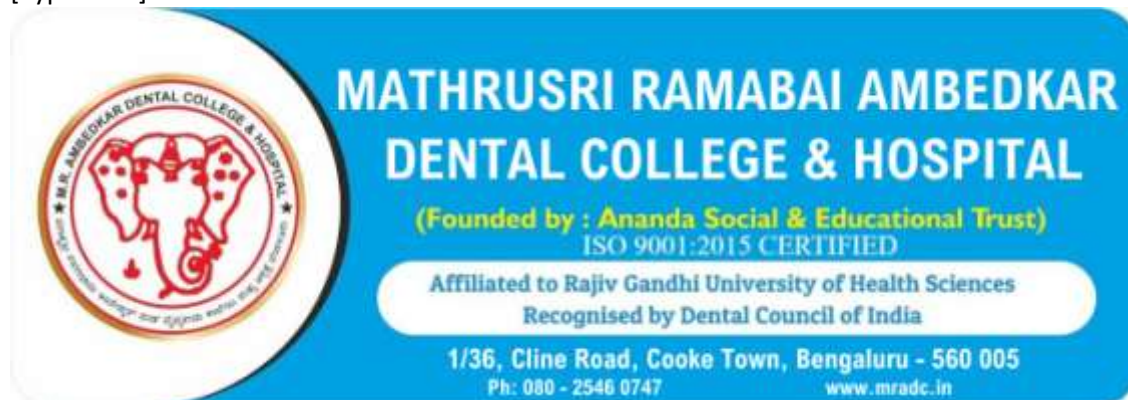
Objective	Method/Medium	Assessment	Time
To make the student understand and analyse facial asymmetry and formulate specific treatment plan for correction.	-lecture (chalk &talk) -AV Aids	questionnaire	15mins.

Conclude:-Assignment.



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Department of oral and maxillofacial surgery

Lesson plan

Class-4<sup>th</sup> BDS

Domain:-Cognitive

Number of students-75

**TIME**-2hrs (2classes of 1hr each)

**Topic** –Salivary gland disorders.

**General objective:** At the end of the session learner will be able to diagnose & differentiate various salivary gland disorders and formulate treatment plan for the same.

**Specific objective:** To make the student understand the diagnosis of various salivary gland disorders and its management.

**Induction time:**30-40 minutes.

Objective	Method/Medium	Assessment	Time
To make the student understand the diagnosis of various salivary gland disorders and its management.	-lecture (chalk &talk) -AV Aids	questionnaire	15mins.

Conclude:-Assignment.



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Lesson plan

Class-4<sup>th</sup> BDS

Domain:-Cognitive

Number of students-75

TIME-1hr (2classes of 1hr each)

Topic –Exodontia.

**General objective:** At the end of the session learner will be able to apply principles of extraction and formulate treatment plan.

**Specific objective:** To make the student understand the principles, techniques, complications of extraction and its management.

**Induction time:** 30-40 minutes

Objective	Method/Medium	Assessment	Time
To make the student learn about the indications, contraindications, principles, techniques, complications of extraction and its management	-lecture (chalk & talk) -AV Aids	questionnaire	15mins.

Conclude:-Assignment.



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Department of oral and maxillofacial surgery

Lesson plan

Class-4<sup>th</sup> BDS

Domain:-Cognitive

Number of students-75

**TIME**-1hr (3classes of 1hr each)

**Topic** –Impacted teeth.

**General objective:** At the end of the session learner will be able to do assessment of impacted third molar, formulate treatment plan and apply principles of third molar surgery.

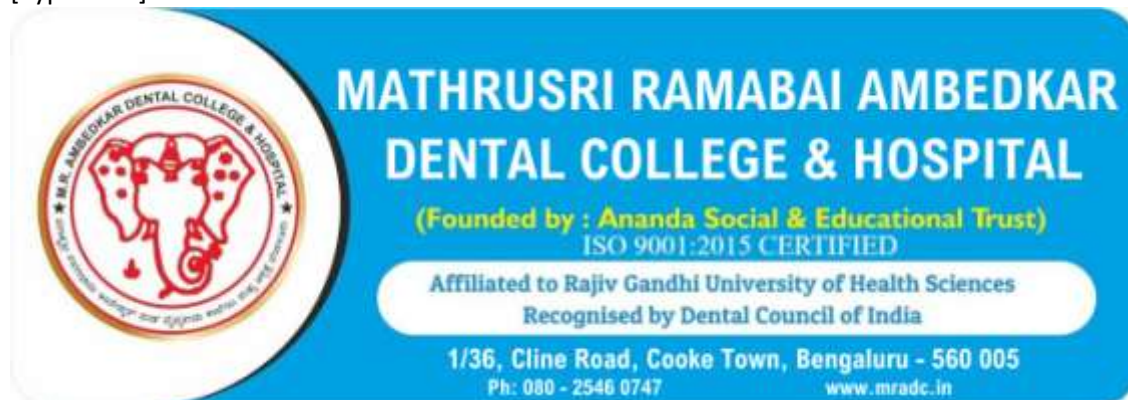
**Specific objective:** To make the student understand the radiographic assessment, principles, techniques, complications of impacted third molar extraction and its management.

**Induction time:** 30-40 minutes

Objective	Method/Medium	Assessment	Time
To make the student learn about the indications, contraindications, assessment, principles, techniques, complications of third molar surgery and its management.	-lecture (chalk & talk) -AV Aids	questionnaire	15mins.

Conclude:-Assignment.

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## Department of oral and maxillofacial surgery

### Lesson plan

**Class-**4<sup>th</sup> BDS

**Domain:-**Cognitive

Number of students-75

**TIME-**1hr (4classes of 1hr each)

**Topic** –Orofacial& neck infection

**General objective:** At the end of the session learner will be able to diagnose & differentiate various space infections, formulate treatment plan and apply principles of incision and drainage.

**Specific objective:** To make the student understand and differentiate various head and neck space infections, complications associated with it and its management.

**Induction time:** 30-40 minutes.

Objective	Method/Medium	Assessment	Time
To make the student understand and differentiate various head & neck space infections, complications associated with it and its management.	-lecture (chalk & talk) -AV Aids	questionnaire	15mins.

Conclude:-Assignment.



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Department of oral and maxillofacial surgery

Lesson plan

Class-4<sup>th</sup> BDS

Domain:-Cognitive

Number of students-75

**TIME-** 3 hrs (3 classes of 1hr each)

**Topic** –Cysts & Tumours of Maxillofacial region

**General objective:** At the end of the session learner will be able to understand the etiogenesis of cysts & tumors, be able to classify and manage cysts and tumors of the maxillofacial region.

**Specific objective:** Learner should be able to diagnose and formulate a treatment plan to manage cysts and tumours.

**Induction time:**30-40 minutes

Objective	Method/Medium	Assessment	Time
Learner should be able to diagnose and formulate a treatment plan to manage cysts and tumours.	-lecture (chalk & talk) -AV Aids	questionnaire	15mins.

Conclude:- Assignment.



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## Department of oral and maxillofacial surgery

### Lesson plan

Class-4<sup>th</sup> BDS

Domain:-Cognitive

Number of students-75

**TIME-** 2 hrs (2 classes of 1hr each)

**Topic** – Zygomaticomaxillary complex fractures

**General objective:** At the end of the session learner will be able to understand the etiology of ZMC fractures, be able to classify and manage ZMC fractures.

**Specific objective:** Learner should be able to analyse clinical features, identify diagnostic images needed and formulate a treatment plan to manage ZMC fractures and summarize possible complications.

**Induction time:** 30-40 minutes

Objective	Method/Medium	Assessment	Time
Learner should be able to analyse clinical features, identify diagnostic images needed and formulate a treatment plan to manage ZMC fractures and summarize possible complications.	-lecture (chalk & talk) -AV Aids	questionnaire	15mins.

Conclude:-Assignment.

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## Department of Public Health Dentistry

### Lesson plan

Class - IV BDS

Domain-Cognitive

Number of students

Time – 1 hour

Topic: Biostatistics

**General objective-** At the end of the class the students should be able to:  
Describe the importance of biostatistics.

### **Specific learning objective-**

The student should be able to know about:

Definition of biostatistics, uses of biostatistics, types of data and presentation of statistical data **Induction time-**30 to 40 min.

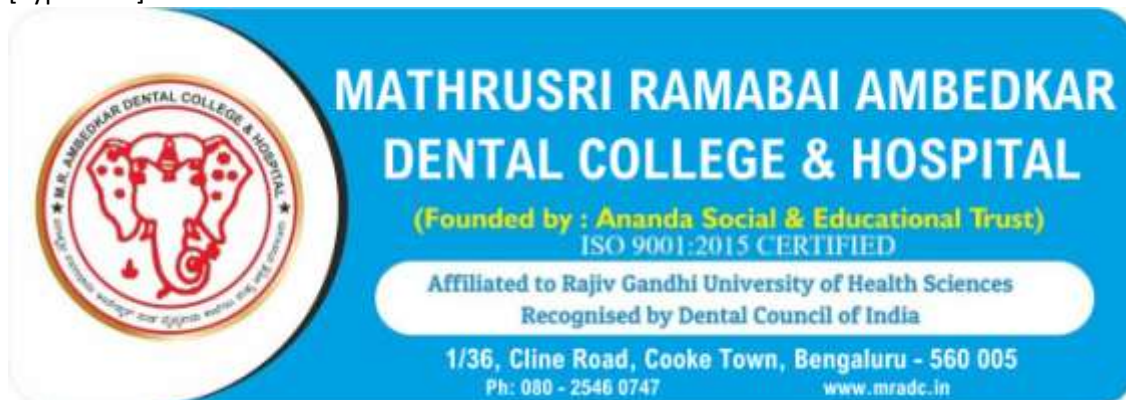
Objective	Method/medium	Assessment	Time
To make the student learn about Biostatistics	-lecture -AV Aids	Questionnaire	15 min

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## Department of Public Health Dentistry

### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**

**Time – 1 hour**

**Topic:** Biostatistics

**General objective-** At the end of the class the students should be able to know about:

Introduction and importance of sampling.

**Specific learning objective-** The student should be able to know about:

Definition of sampling, sampling techniques, methods of summarization, measures of dispersion and measures of central tendency.

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Biostatistics	-lecture -AV Aids	Questionnaire	15 min

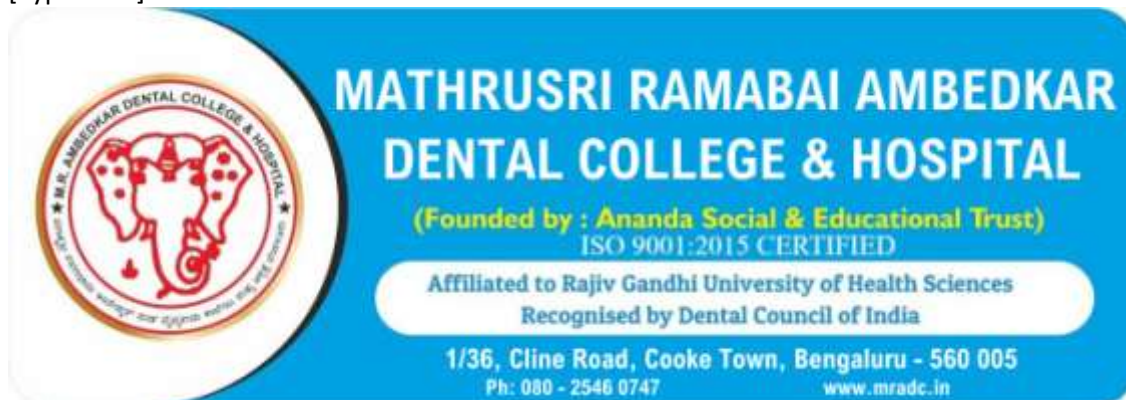


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## Department of Public Health Dentistry

### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**

**Time – 1 hour**



**Topic:** Biostatistics

**General objective-** At the end of the class the students should be able to know about:

Introduction and importance of tests of significance.

**Specific learning objective-** The student should be able to know about properties of normal curve, tests of significance, parametric and non parametric tests.

**Induction time-**30 to 40 min.

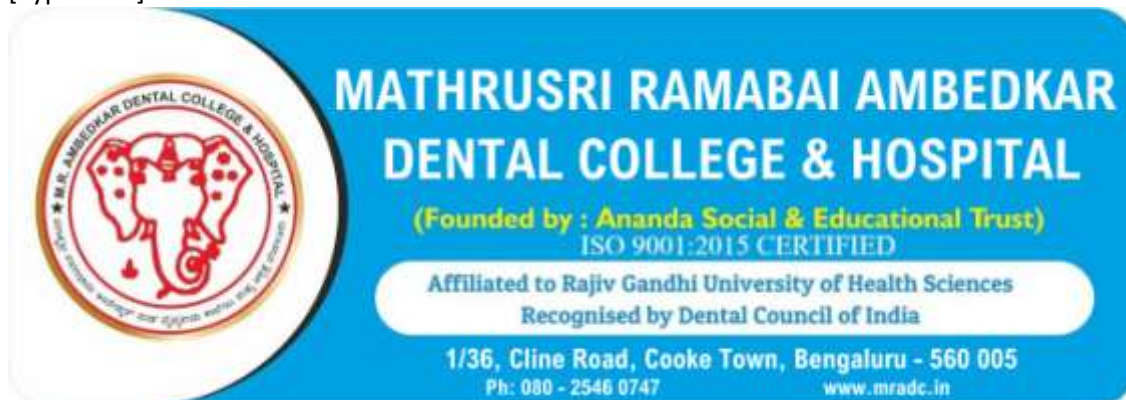
Objective	Method/medium	Assessment	Time
To make the student learn about Biostatistics	-lecture -AV Aids	Questionnaire	15 min

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## Department of Public Health Dentistry



### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of**

**Time – 1 hour**

### **Topic: PRIMARY HEALTH CARE**

**General objective-** At the end of the class the students should be able to know about:

Introduction and importance of primary health care and about Alma Ata declaration.

#### **Specific learning objective-**

The student should be able to know about elements of primary health care, principles of primary health care: equitable distribution, community participation , inter sectoral coordination and appropriate technology, focus on prevention, primary health care in India: village level, sub centre level and PHC level, primary dental health care, reports of health committee and important recommendations.

**Induction time-**30 to 40 min.

<b>Objective</b>	<b>Method/medium</b>	<b>Assessment</b>	<b>Time</b>
To make the student learn about Primary Health care	-lecture -AV Aids	Questionnaire	15 min

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## Department of Public Health Dentistry

### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**

**Time – 1 hour**

**Topic: Epidemiology of Oral cancer**



**General objective-** At the end of the class the students should be able to know about:

Introduction and importance of primary health care and about Alma Ata declaration.

**Specific learning objective-**

The student should be able to know about elements of primary health care, principles of primary health care: equitable distribution, community participation , inter sectoral coordination and appropriate technology, focus on prevention, primary health care in India: village level, sub centre level and PHC level, primary dental health care, reports of health committee and important recommendations.

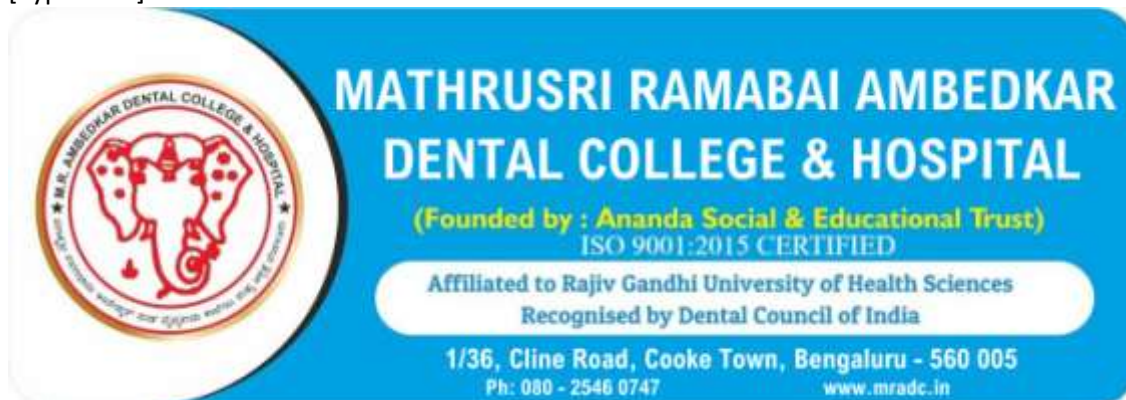
**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Epidemiology of oral Cancer	-lecture -AV Aids	Questionnaire	15 min

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## Department of Public Health Dentistry

### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**

**Time – 1 hour**

### **Topic: PLANNING AND EVALUATION**

**General objective-** At the end of the class the students should be able to know about:

Introduction and importance of planning.

**Specific learning objective-**

The student should be able to know about:

Definition of planning, basic steps in planning and planning of health care services.

**Induction time-**30 to 40 min.

<b>Objective</b>	<b>Method/medium</b>	<b>Assessment</b>	<b>Time</b>
To make the student learn about Planning & evaluation	-lecture -AV Aids	Questionnaire	15 min

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## Department of Public Health Dentistry

### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**

**Time – 1 hour**



### **Topic: PIT AND FISSURE SEALANTS**

**General objective-** At the end of the class the students should be able to know about introduction and history of pit and fissure sealants.

**Specific learning objective-** The student should be able to know about definition, morphology and types of pits and fissure sealants, classification, indications and contraindications and procedure of application.

**Induction time-**30 to 40 min.

<b>Objective</b>	<b>Method/medium</b>	<b>Assessment</b>	<b>Time</b>
To make the student learn about Pit & fissure sealants	-lecture -AV Aids	Questionnaire	15 min

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## Department of Public Health Dentistry

### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**


**Time – 1 hour**

**Topic: EPIDEMIOLOGY, ETIOLOGY AND PREVENTION OF DENTAL CARIES**

**General objective-** At the end of the class the students should be able to know about introduction, definition, global scenario and current trends in caries incidence.

**Specific learning objective-** The student should be able to know about epidemiological factors of dental caries, etiology and prevention of dental caries.

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Epidemiology, etiology & prevention of Dental Caries 	-lecture -AV Aids	Questionnaire	15 min

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## Department of Public Health Dentistry

### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**



**Time – 1 hour**

**Topic: GENERAL EPIDEMIOLOGY**

**General objective-** At the end of the class the students should be able to know about:

Introduction, history, branches of epidemiology, scope of epidemiology and strategy of epidemiology.

**Specific learning objective-** The student should be able to know about:

Definition, Aims and objectives of epidemiology, principles of epidemiology, components, epidemiological triad.

**Induction time-**30 to 40 min.

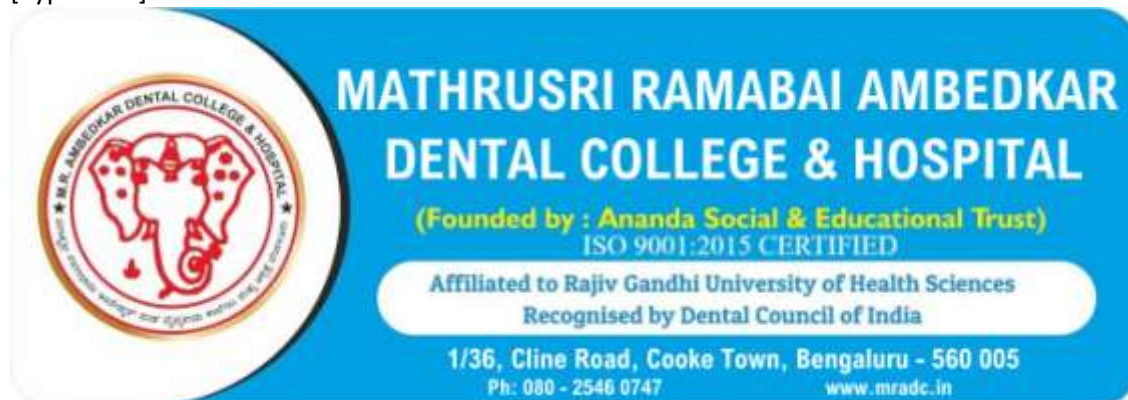
Objective	Method/medium	Assessment	Time
To make the student learn about General Epidemiology	-lecture -AV Aids	Questionnaire	15 min

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## Department of Public Health Dentistry

### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**

**Time – 1 hour**

#### **Topic: SURVEY PROCEDURES**

**General objective-** At the end of the class the students should be able to know about:

Definition of survey, importance of survey procedures and types of survey.

**Specific learning objective-** The student should be able to know about:

Uses of survey, methods of data collection, steps in survey procedures, Basic oral health survey, index age groups and pathfinder surveys.

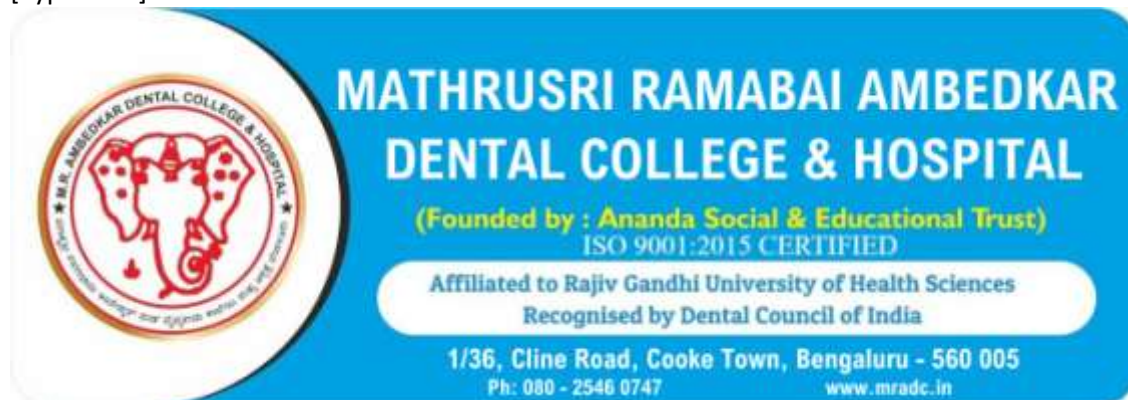
**Induction time-**30 to 40 min.

<b>Objective</b>	<b>Method/medium</b>	<b>Assessment</b>	<b>Time</b>
To make the student learn about Survey Procedures	-lecture -AV Aids	Questionnaire	15 min



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## Department of Public Health Dentistry

### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**

**Time – 1 hour**

### **Topic: EXPERIMENTAL EPIDEMIOLOGY**



**General objective-** At the end of the class the students should be able to know about:

Introduction, Human experiments.

**Specific learning objective-** The student should be able to know about:

Aim of experimental studies, Randomized controlled trials, blinding, Non randomized trials.

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Experimental Epidemiology	-lecture -AV Aids 	Questionnaire  	15 min

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## Department of Public Health Dentistry

### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**

**Time – 1 hour**

### **Topic: EXPERIMENTAL EPIDEMIOLOGY**

**General objective-** At the end of the class the students should be able to:

Importance of experimental epidemiology.

**Specific learning objective-**

The student should be able to know about:

Aim of experimental studies, Randomized controlled trials, blinding, Non randomized trials.

**Induction time-**30 to 40 min.

<b>Objective</b>	<b>Method/medium</b>	<b>Assessment</b>	<b>Time</b>
To make the student learn about Experimental epidemiology	-lecture -AV Aids	Questionnaire	15 min

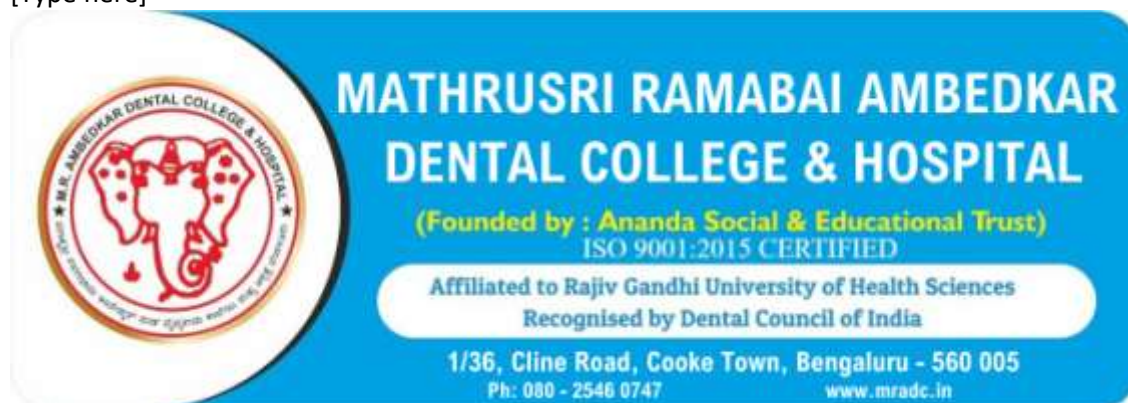


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## Department of Public Health Dentistry

### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**

**Time – 1 hour**

**Topic: SURVEY**

**General objective-** At the end of the class the students should be able to:

Definition of survey, importance of survey procedures and types of survey.

**Specific learning objective-**

The student should be able to know about:

Uses of survey, methods of data collection, steps in survey procedures, Basic oral health survey, index age groups and pathfinder surveys.

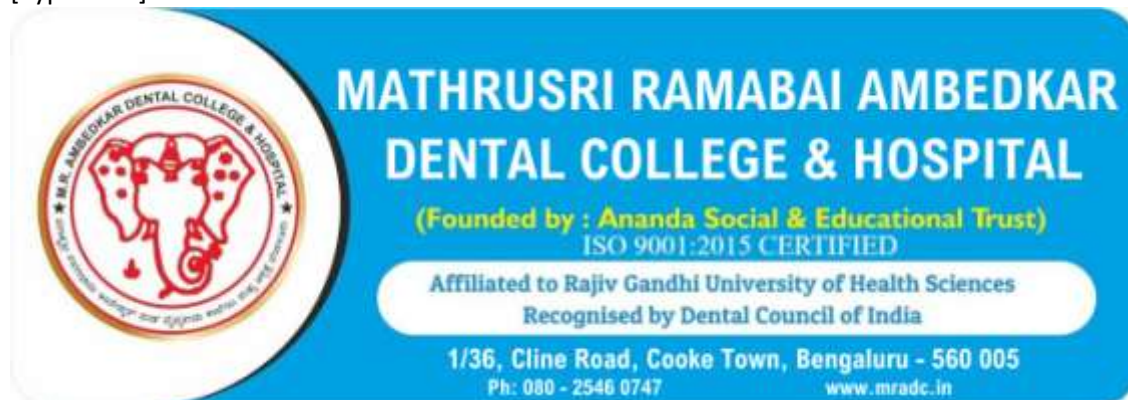
**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Survey procedures	-lecture -AV Aids	Questionnaire	15 min



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## Department of Public Health Dentistry

### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**

**Time – 1 hour**

### **Topic: PLANNING AND EVALUATION**

**General objective-** At the end of the class the students should be able to:  
Introduction, purpose of planning and importance of planning.

### **Specific learning objective-**

The student should be able to know about:

Definition of planning, basic steps in planning, planning of health care services, community dental programs, evaluation and types of evaluation.

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Planning cycle & evaluation	-lecture -AV Aids	Questionnaire	15 min



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## Department of Public Health Dentistry

### Lesson plan

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**

**Time – 1 hour**

#### **Topic: GENERAL EPIDEMIOLOGY**

**General objective-** At the end of the class the students should be able to: Introduction, history, branches of epidemiology, scope of epidemiology and strategy of epidemiology.

#### **Specific learning objective-**

The student should be able to know about:

Definition, Aims and objectives of epidemiology, principles of epidemiology, components, epidemiological triad.

**Induction time-**30 to 40 min.

<b>Objective</b>	<b>Method/medium</b>	<b>Assessment</b>	<b>Time</b>
To make the student learn about General epidemiology	-lecture -AV Aids	Questionnaire	15 min



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**Department of Public Health Dentistry**

**Lesson plan**

**Class - IV BDS**

**Domain-Cognitive**

**Number of students**

**Time – 1 hour**

**Topic: CASE HISTORY**

**General objective-** At the end of the class the students should be able to:

Importance of the case history

**Specific learning objective-**

The student should be able to know about:

Significance of case history, adverse oral habits, soft and hard tissue examination, diagnosis and treatment plan

**Induction time-**30 to 40 min.

<b>Objective</b>	<b>Method/medium</b>	<b>Assessment</b>	<b>Time</b>
To make the student learn about Case history	-lecture -AV Aids	Questionnaire	15 min



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**Department of Public Health Dentistry**

**Lesson plan**

**Class – 4<sup>th</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Date-9/4/2022**

**Time - 1hour**

**Topic:** Epidemiology of Dental Caries

**General objective-**At the end of the session learner will be able to describe the epidemiology and dental caries

**Specific learning objective-**

1.)Terminology



2.) Epidemiological triad factors-Agent,Host and Environmental factors of dental caries.

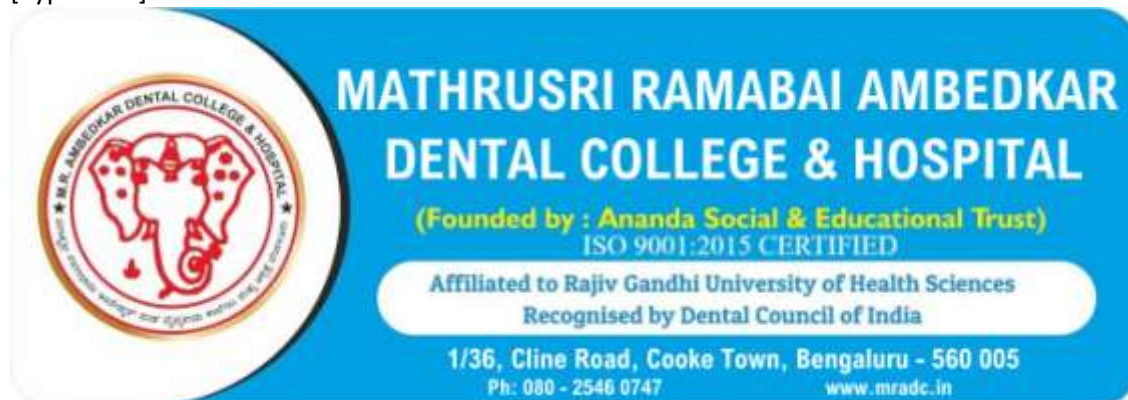
**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Epidemiology of Dental Caries	-Lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Public Health Dentistry

### Lesson plan

**Class** – 4<sup>th</sup> BDS

**Domain**-Cognitive

**Number of students**-75

**Date**-24/7/2022

**Time** – 2 hours

**Topic:** Fluorides

**General objective**-At the end of the session learner will be able to describe the Fluorides –Topical Fluorides ,Systemic Fluorides ,defluoridation methods and toxicity of Fluorides.

### **Specific learning objective-**

1.)Terminology

2.) Administration of NaF,APF,SnF and water fluoridation,Salt fluoridation,Milk fluoridation ,Fluoride Toxicity and defluoridation methods.

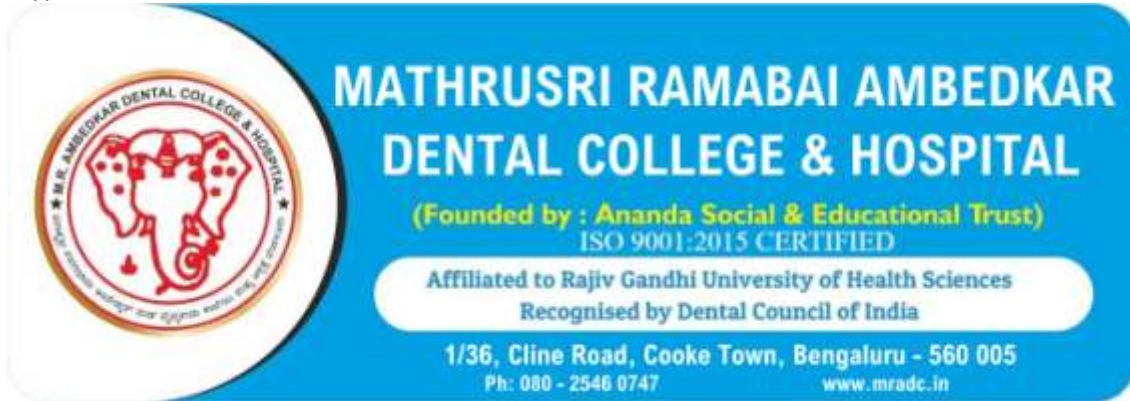
**Induction time**-30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Fluorides in Dentistry	-Lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## DEPT.OF PUBLIC HEALTH DENTISTRY

### Topic: ART

Class: 4<sup>th</sup> B.D.S. Students

Date: 27.04.2019, 04.05.2019

Duration: one hour

Setting: Classroom

Name of the presenter: Dr.Rukmini J.N, Senior Lecturer, Dept of PHD, MRADC, Bangalore

Teaching methods: Power-point presentation audio-visual aids

Teaching aids used: Laptop and projector,

**General Objectives:** At the end of the class the students should be able to know about introduction, history of ART and applications of ART.

### Specific Learning Objectives:

The student should be able to know about indications and contraindications, ART techniques and principal steps, advantages and limitations.

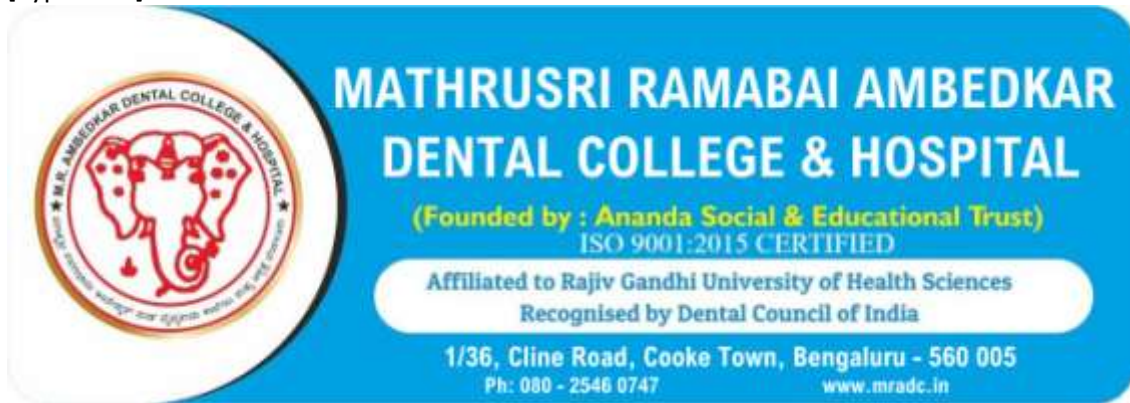
1. New Delhi, Elsevier; 2011
2. K. Park, Textbook of Preventive and Social Medicine, 25th edition.
3. CM Marya. A Textbook of Public Health Dentistry. Jaypee Publications.



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**Topic: DIET AND DENTAL CARIES**

Class: 4<sup>th</sup> B.D.S. Students

Date: 27.05.2021, 23.03.2019

Duration: one hour

Setting: Classroom

Name of the presenter: Dr.Rukmini J.N, Senior Lecturer, Dept of PHD, MRADC, Bangalore

Teaching methods: Power-point presentation audio-visual aids

Teaching aids used: Laptop and projector,

**General Objectives:** At the end of the class the students should be able to know about introduction, diet, nutrition, components of food and evidence linking diet and dental caries.

**Specific Learning Objectives:**

The student should be able to know about dietary counselling, Stephen curve, sugar substitutes and preventive dietary programme.



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**Topic: DMFT & DMFS INDEX**

Class: 4<sup>th</sup> B.D.S. Students

Date: 09.06.2020

Duration: one hour

Setting: Classroom

Name of the presenter: Dr.Rukmini J.N, Senior Lecturer, Dept of PHD, MRADC, Bangalore

Teaching methods: Power-point presentation audio-visual aids

Teaching aids used: Laptop and projector,



**General Objectives:** At the end of the class the students should be able to know about index, author and year of DMFT index.

**Specific Learning Objectives:**

The student should be able to know about DMFT index, criteria for scoring, rules for scoring method of examination, advantages and limitations and WHO modifications.

**References and Further Reading:**

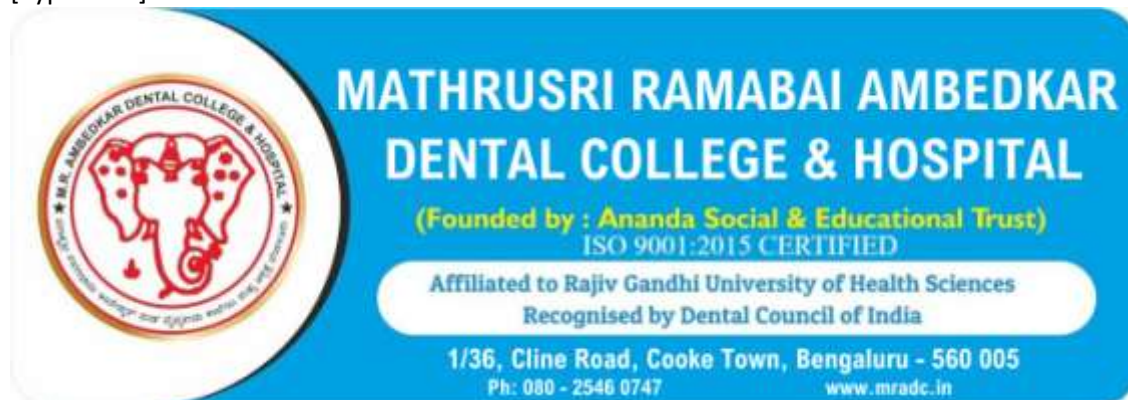
1. Hiremath SS. Textbook of Preventive and Community Dentistry, 2<sup>nd</sup> edition. New Delhi, Elsevier; 2011
2. CM Marya. A Textbook of Public Health Dentistry. Jaypee Publications.
3. Oral health surveys Basic Methods 5<sup>th</sup> Edition World Health Organization, Geneva.

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**Topic: EPIDEMIOLOGY, ETIOLOGY AND PREVENTION OF DENTAL CARIES**

Class: 4<sup>th</sup> B.D.S. Students

Date: 30.03.2019

Duration: one hour

Setting: Classroom

Name of the presenter: Dr.Rukmini J.N, Senior Lecturer, Dept of PHD, MRADC, Bangalore

Teaching methods: Power-point presentation audio-visual aids

Teaching aids used: Laptop and projector,

**General Objectives:** At the end of the class the students should be able to know about introduction, definition, global scenario and current trends in caries incidence.

**Specific Learning Objectives:**

The student should be able to know about epidemiological factors of dental caries, etiology and prevention of dental caries.

**References and Further Reading:**

1. Hiremath SS. Textbook of Preventive and Community Dentistry, 2<sup>nd</sup> edition. New Delhi, Elsevier; 2011
2. K. Park, Textbook of Preventive and Social Medicine, 25th edition.
3. CM Marya. A Textbook of Public Health Dentistry. Jaypee Publications.
4. Murray J J Prevention of Oral Diseases.



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**Topic: HEALTH EDUCATION**

Class: 4<sup>th</sup> B.D.S. Students

Date: 30-11-2019

Duration: one hour

Setting: Classroom

Name of the presenter: Dr.Rukmini J.N, Senior Lecturer, Dept of PHD, MRADC, Bangalore

Teaching methods: Power-point presentation audio-visual aids

Teaching aids used: Laptop and projector,

**General Objectives:** At the end of the class the students should be able to know about health education, their objectives and approaches and Contents of health education.

**Specific Learning Objectives:**

The student should be able to:

1. Define health education
2. Enlist principles of health education



**References and Further Reading:**

1. Hiremath SS. Textbook of Preventive and Community Dentistry, 2<sup>nd</sup> edition. New Delhi, Elsevier; 2011
2. K. Park, Textbook of Preventive and Social Medicine, 25<sup>th</sup> edition.
3. CM Marya. A Textbook of Public Health Dentistry. Jaypee Publications.

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**Topic: PIT AND FISSURE SEALANTS**

Class: 4<sup>th</sup> B.D.S. Students

Date: 27.04.2019

Duration: one hour

Setting: Classroom

Name of the presenter: Dr.Rukmini J.N, Senior Lecturer, Dept of PHD, MRADC, Bangalore

Teaching methods: Power-point presentation audio-visual aids

Teaching aids used: Laptop and projector,



**General Objectives:** At the end of the class the students should be able to know about introduction and history of pit and fissure sealants.

**Specific Learning Objectives:**

The student should be able to know about definition, morphology and types of pits and fissure sealants, classification, indications and contraindications and procedure of application.

**References and Further Reading:**

1. Hiremath SS. Textbook of Preventive and Community Dentistry, 2<sup>nd</sup> edition. New Delhi, Elsevier; 2011
2. K. Park, Textbook of Preventive and Social Medicine, 25th edition.
3. CM Marya. A Textbook of Public Health Dentistry. Jaypee Publications.
4. Norman Harris.Primary Preventive Dentistry.

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**Topic: School Dental Health Programs Part 2**

Class: 4<sup>th</sup> B.D.S. Students

Date: 25-06-2021 and 09.05.2020

Duration: one hour

Setting: Classroom

Name of the presenter: Dr.Rukmini J.N, Senior Lecturer, Dept of PHD, MRADC, Bangalore

Teaching methods: Power-point presentation audio-visual aids

Teaching aids used: Laptop and projector,



**General Objectives:** At the end of the class the students should be able to know about blanket referral and SDHP in India

**Specific Learning Objectives:**

The student should be able to know about various school dental health programs, incremental dental care and comprehensive dental care.

**References and Further Reading:**

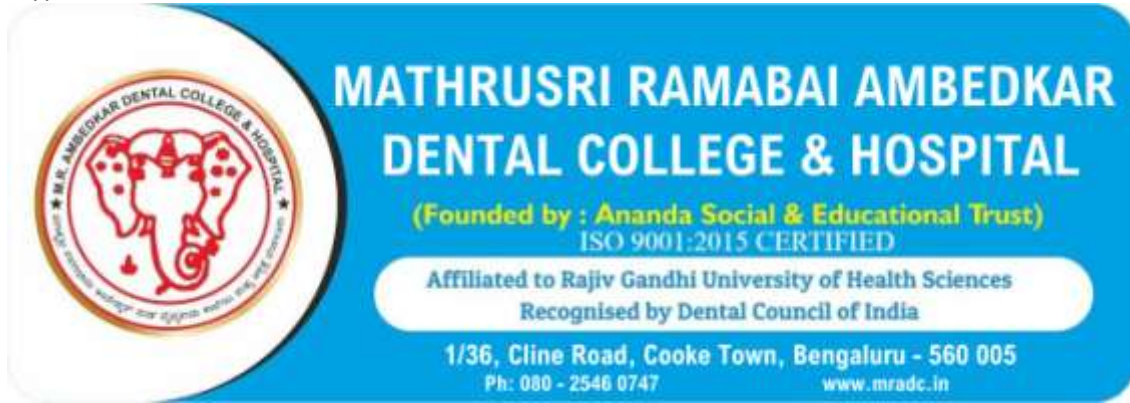
1. Hiremath SS. Textbook of Preventive and Community Dentistry, 2<sup>nd</sup> edition. New Delhi, Elsevier; 2011
2. K. Park, Textbook of Preventive and Social Medicine, 25th edition.
3. CM Marya. A Textbook of Public Health Dentistry. Jaypee Publications.

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## DEPARTMENT OF ORTHODONTICS

### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 20

Time – 03 hour

Topic –Adult orthodontics

**General Objective-** At the end the of the session learner will be able to describe the various options of treatment available for adult patients.

### **Specific learning objective**

- 1) Various options available for adult patients
- 2) Awareness of orthognathic surgery

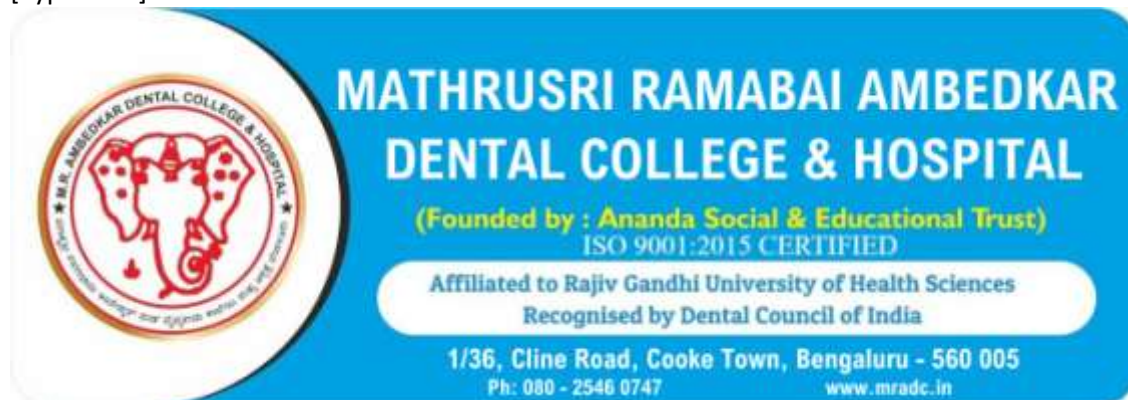
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Adult orthodontics	- Lecture - AV aids	Questionnaire	15 mins



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## DEPARTMENT OF ORTHODONTICS

### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

### Topic –AGE FACTORS IN ORTHODONTICS

**General Objective-** At the end the of the session learner will be able to understand the importance of age in orthodontic treatments.

### **Specific learning objective**

- 3) Age considerations in malocclusions.
- 4) Importance of age in diagnosis, treatment planning and prognosis.

Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Age factors in Orthodontics	<ul style="list-style-type: none"><li>- Lecture</li><li>- AV aids</li></ul>	Questionnaire	15 mins



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## DEPARTMENT OF ORTHODONTICS

### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Anchorage in orthodontics

**General Objective-** At the end the of the session learner will be able to describe Skeletal maturity indicators, Anchorage in orthodontics, Preventive and Interceptive orthodontics.

**Specific learning objective**

1. Anchorage

Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Anchorage in orthodontics	- Lecture - AV aids	Questionnaire	15 mins



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## DEPARTMENT OF ORTHODONTICS

### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72

Time – 03 hour

Topic –Arch expansion

**General Objective-** At the end the of the session learner will be able to answer the need for expansion in Orthodontics and its methods

### **Specific learning objective**

- 5) Indications of arch expansion
- 6) Methods of expansion

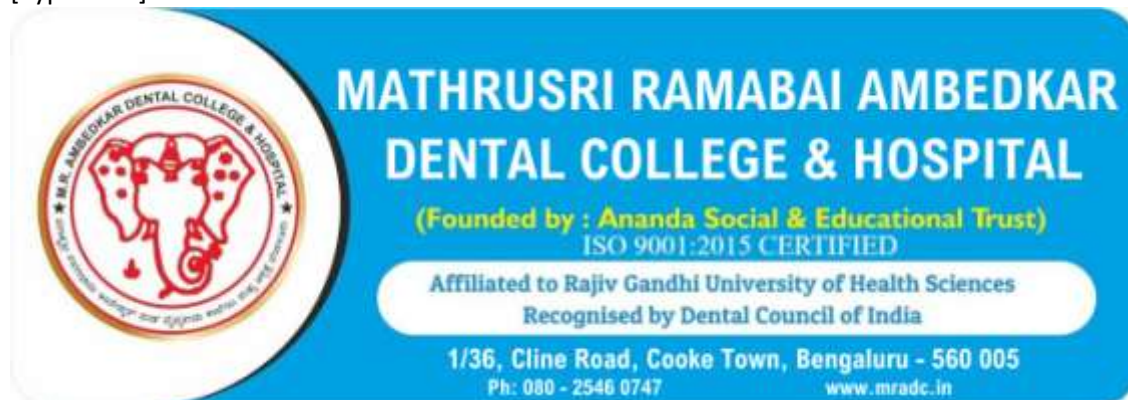
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about arch expansion	- Lecture - AV aids	Questionnaire	15 mins



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## DEPARTMENT OF ORTHODONTICS

### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72

Time – 03 hour

Topic –Biology of tooth movement

**General Objective-** At the end the of the session learner will be able to describe the various biological tissue changes that occur during tooth movement .

### **Specific learning objective**

- 7) Phases of tooth movement
- 8) Theories of tooth movement

Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Etiology of malocclusion	- Lecture - AV aids	Questionnaire	15 mins



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## DEPARTMENT OF ORTHODONTICS

### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Cephalometrics

**General Objective-** At the end the of the session learner would gain knowledge on various cephalometric landmarks, lines and planes in Cephalometrics and different diagnostic analysis.

### **Specific learning objective**

- 9) Cephalometric landmarks
- 10) Lines and planes in cephalometrics
- 11) Down's Analysis
- 12) Steiner's Analysis
- 13) Tweed's Analysis
- 14) The Wits Appraisal
- 15) Cephalometric Superimposition

Induction time – 2 hrs



Objective	Method /medium	Assessment	Time
To make the student learn about Etiology of malocclusion	- Lecture - AV aids	Questionnaire	15 mins

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## DEPARTMENT OF ORTHODONTICS

### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Classification of Malocclusion

**General Objective-** At the end the of the session learner would have in depth knowledge of various types of classification for malocclusion.

### **Specific learning objective**

- 16)Angles system of classification
- 17)Dewey's modification of Angle's classification of Malocclusion
- 18)Lischer's Modification of Angle's Classification
- 19)Simon's Classification
- 20)Bennett's Classification
- 21)Ackerman-Profitt System of Classification
- 22)British Standard Institute's Classification of Incision Relationship.

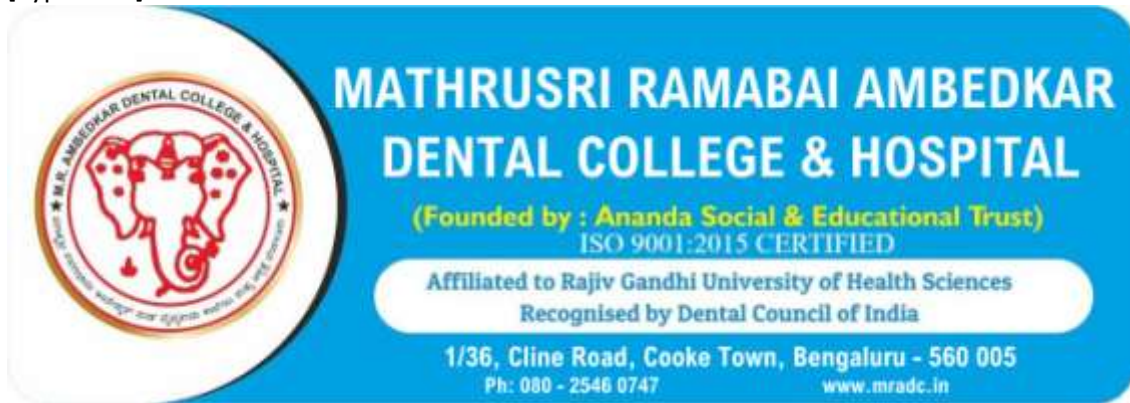
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Etiology of malocclusion	- Lecture - AV aids	Questionnaire	15 mins



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### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Cleft lip and palate

**General Objective-** At the end the of the session learner will be able to have thorough knowledge about cleft lip and palate and its implications in Orthodontics

### **Specific learning objective**

23)Causes of cleft lip and palate

24)Malocclusions related to cleft lip and palate

Induction time – 2 hrs

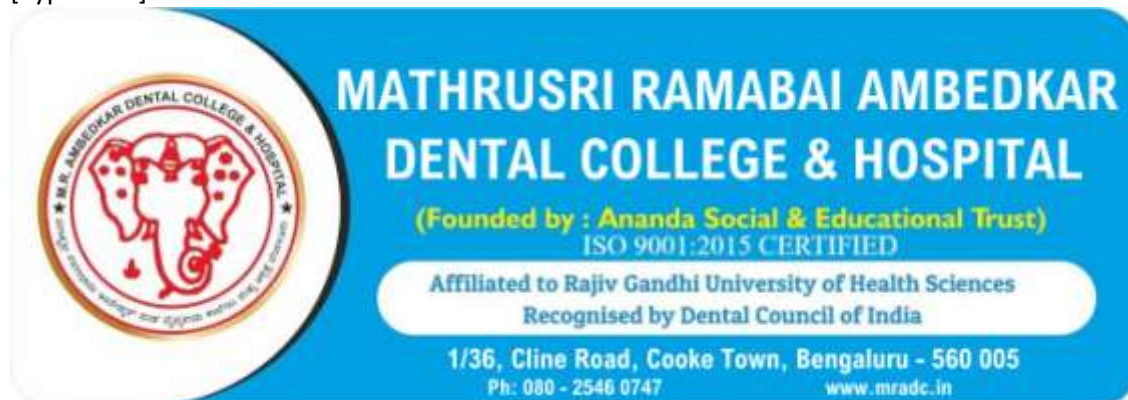
Objective	Method /medium	Assessment	Time
To make the student learn about cleft lip and palate	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic – Computers in Orthodontics

**General Objective-** At the end the of the session learner will be able to describe the Use and Importance of computers in the field of Orthodontics and newer advances.

**Specific learning objective**

- 25) Applications in Dentistry and Orthodontics
- 26) Comparison of conventional and computerized clinic

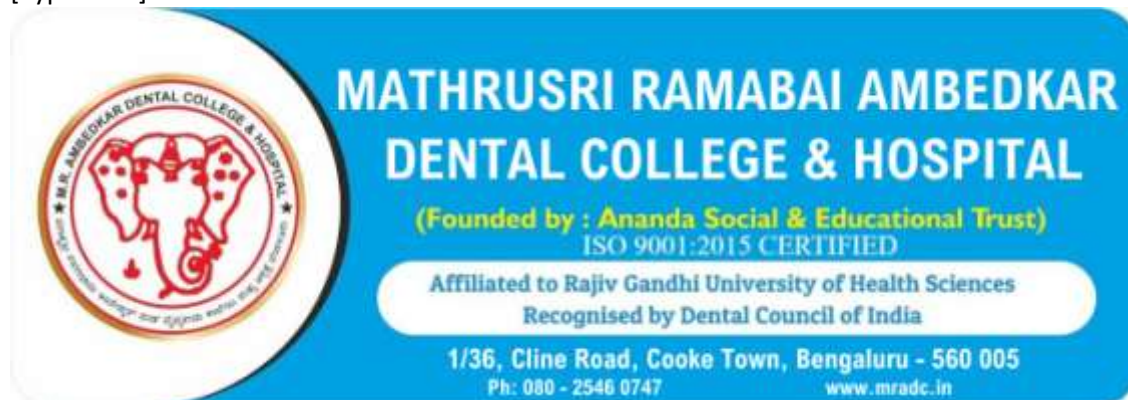
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Computers in Dentistry	<ul style="list-style-type: none"><li>- Lecture</li><li>- AV aids</li></ul>	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour


Topic- Development of dentition and occlusion

**General Objective-** At the end the of the session learner will be able to describe various stages of tooth development, occlusion development, deciduous dentition, mixed dentition, permanent dentition period

**Specific learning objective**

- 1) Bud stage, cap stage, bell stage, Root formation
- 2) Periods of occlusal development, Gum pads
- 3) Eruption age and sequence of deciduous dentition, spacing, flush terminal plane, deep bite
- 4) First transitional period, Inter transitional period and second transitional period
- 5) Permanent dentition period

Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Development of dentition and occlusion	- Lecture - AV aids 	Questionnaire	15 mins

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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Epidemiology of malocclusion & orthodontic diagnosis

**General Objective-** At the end the of the session learner will be able to describe the various epidemiology of malocclusion and clinical orthodontic diagnosis of a patient.

**Specific learning objective**

27)Measurement of malocclusion using various indices

28)Describe and illustrate fundamentals of gathering and interpreting clinical information yielded froma diagnostic exercise.

Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Epidemiology of malocclusion & orthodontic diagnosis	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Etiology of Malocclusion

**General Objective-** At the end the of the session learner would gain knowledge on various factors that lead to Malocclusion.

**Specific learning objective**

- 29) Various classifications of etiology of malocclusion
- 30) Congenital defects
- 31) Environment
- 32) Anomalies in number of teeth and tooth shape
- 33) Abnormal frenal attachment
- 34) Ankylosis
- 35) Dental caries
- 36) Predisposing metabolic climate and disease
- 37) Accident and trauma.

Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Etiology of malocclusion	- Lecture - AV aids	Questionnaire	15 mins

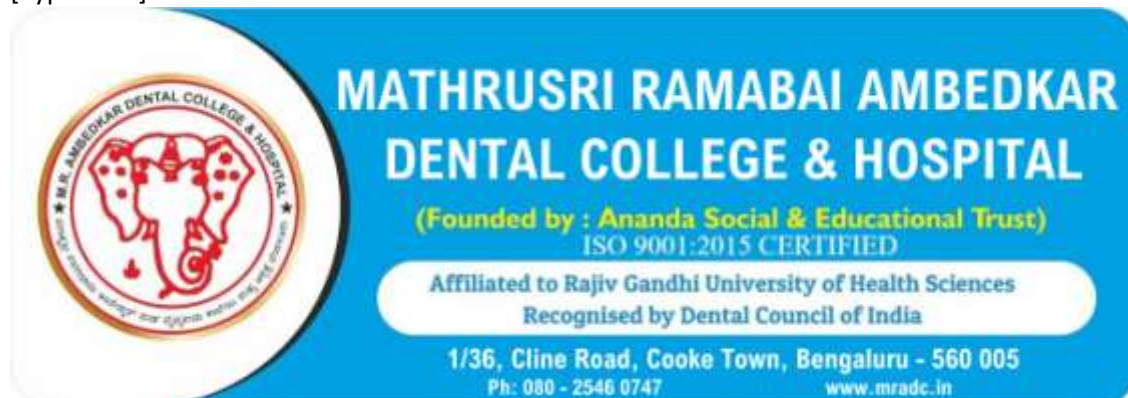


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### Lesson plan

#### Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic – Methods of gaining space, arch expansion and extraction.

**General Objective-** At the end the of the session learner will be able to describe the methods of space, arch expansion and Extraction

#### **Specific learning objective**

2. Methods of gaining space
3. Arch expansion
4. Extractions

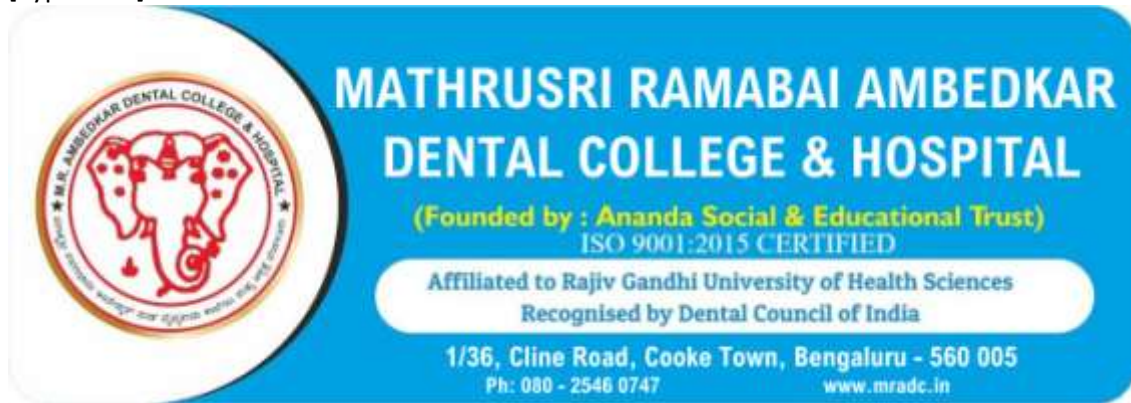
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about the different methods of gaining space, Arch expansion as a method of gaining space, Extractions.	- Lecture - AV aids	Questionnaire	15 mins



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### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

**Topic –EXTRACTIONS**

**General Objective-** At the end the of the session learner will be able to describe the extraction of different teeth and its indications

**Specific learning objective**

38)Need for extraction of different teeth

39)Different extraction patterns and treatment plan

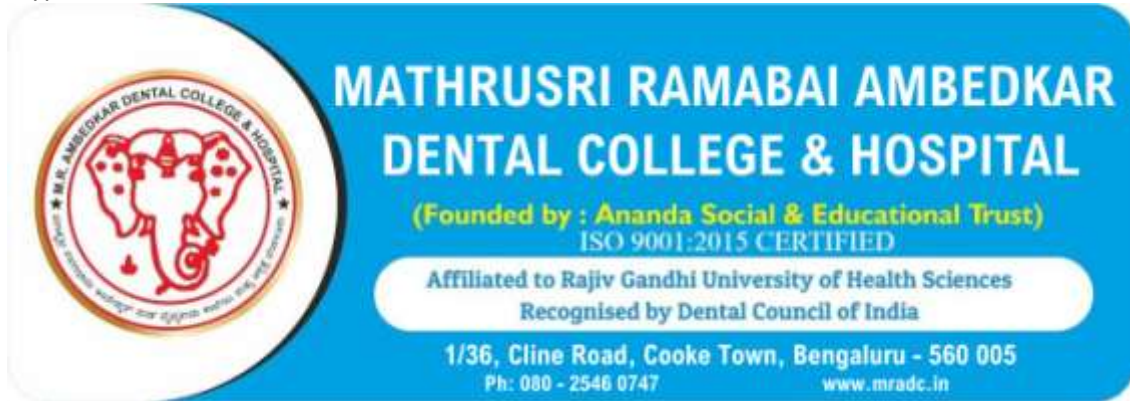
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Extractions	- Lecture - AV aids	Questionnaire	15 mins



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# MATHRUSRI RAMABAI AMBEDKAR DENTAL COLLEGE & HOSPITAL

(Founded by : Ananda Social & Educational Trust)  
ISO 9001:2015 CERTIFIED

Affiliated to Rajiv Gandhi University of Health Sciences  
Recognised by Dental Council of India

1/36, Cline Road, Cooke Town, Bengaluru - 560 005  
Ph: 080 - 2546 0747 www.mradc.in

## Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –EXTRACTIONS

**General Objective-** At the end the of the session learner will be able to describe the extraction of different teeth and its indications

**Specific learning objective**

40)Need for extraction of different teeth

41)Different extraction patterns and treatment plan

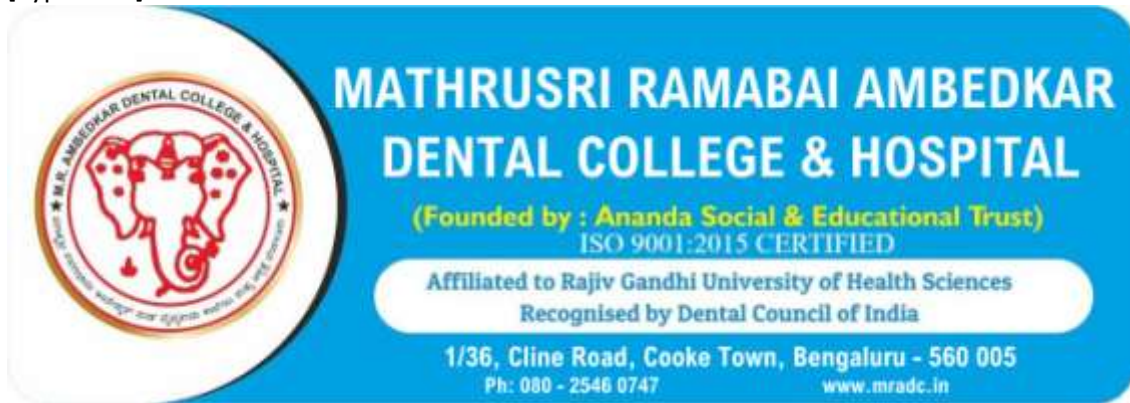
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Extractions	- Lecture - AV aids	Questionnaire	15 mins



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### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

**Topic- Functional Development**

**General Objective-** At the end the of the session learner will be able to describe bone modeling and remodelling, trajectories of force, Mastication, deglutition, speech, Equilibrium theory

**Specific learning objective**

- 6) Bone modeling and remodeling
- 7) Trajectories of maxilla and mandible, Wolf's law
- 8) Mastication, centric occlusion
- 9) Infantile swallow , Mature swallow ,Deglutition
- 10)Speech, passive muscle function and Equilibrium theory

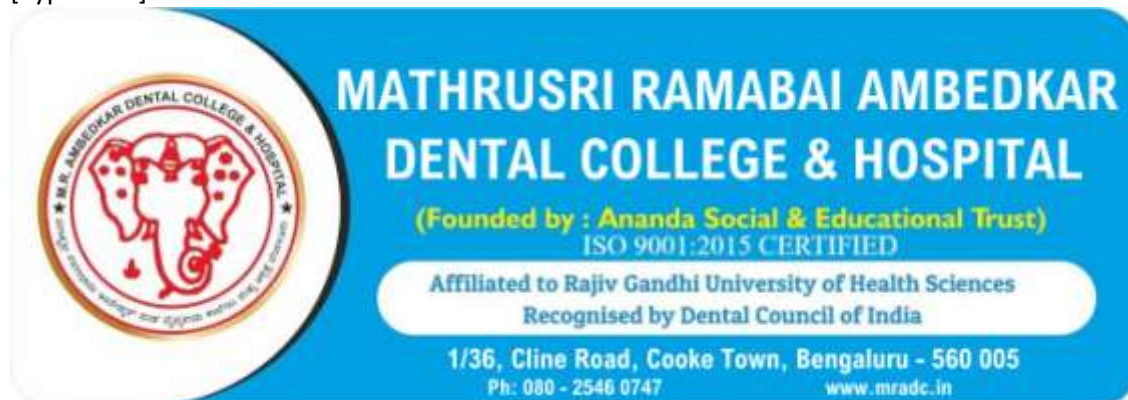
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about functional Development	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 3<sup>rd</sup>BDS Domain - Cognitive

Number of students- 18 Date- 29.09.2022

Time – 03 hour

Topic –General principles and removable appliances

42) **General Objective-** At the end the of the session learner will be able to describe the various general principles of Orthodontic appliances, types of removable appliances and their application in Orthodontics.

**Specific learning objective**

43) Various general principles of Orthodontic appliances

44) Types of removable appliances and their application in Orthodontics

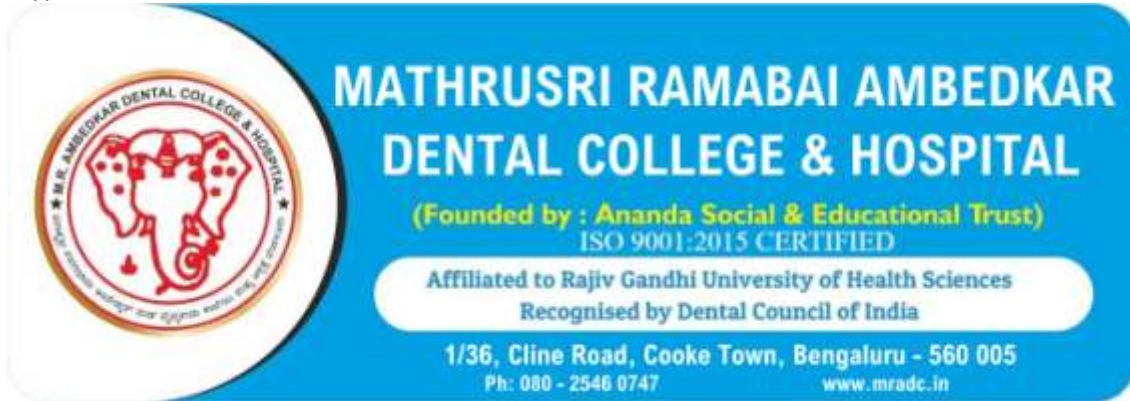
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about General principles and removable appliances	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 60 Date- 20.10.22

Time – 03 hour

Topic –Genetics

**General Objective-** At the end the of the session learner will be able to describe the basics in genetics and the importance of genetics in Orthodontics.

**Specific learning objective**

- 45)Basic concepts on Genetics
- 46)Genetics in malocclusion and various genetic disorders

Induction time – 2 hrs

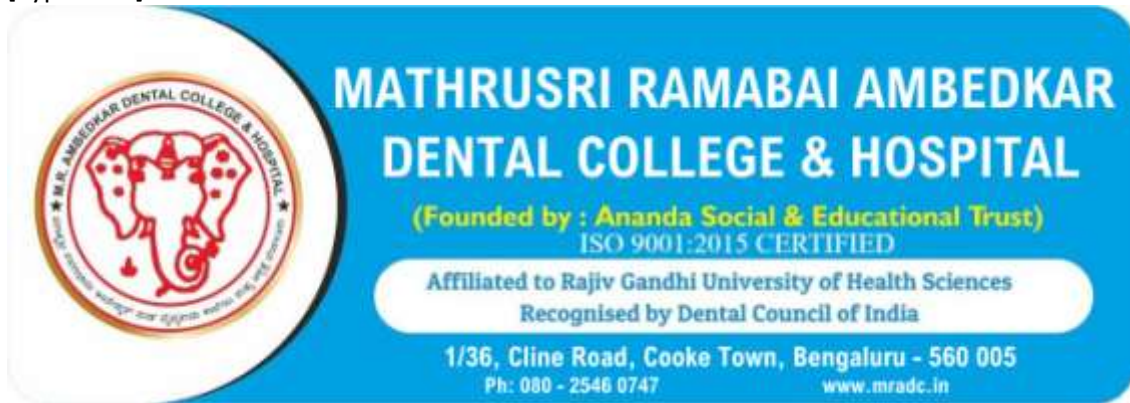
Objective	Method /medium	Assessment	Time
To make the student learn about Genetics	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Growth and Development - General principles and concepts

**General Objective-** At the end the of the session learner will be able to describe factors affecting growth, theories of growth, types of growth data ,growth curves and methods of studying growth

**Specific learning objective**

- 11)Growth site and growth curves
- 12)Methods of studying growth - Craniometry, Antropometry, vital staining
- 13)Theories of growth, osteogenesis , mechanism of bone growth

Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Growth and development	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Growth and Development of cranial and facial region

**General Objective-** At the end the of the session learner will be able to describe period of ovum, fertilization, Formation of germ layers, branchial arches, Prenatal growth of cranial base, maxilla, mandible and postnatal growth of maxilla and mandible and Development of tongue

**Specific learning objective**

- 14)Period of ovum, fertilization, formation of neural crest
- 15)Prenatal and postnatal growth of maxilla , Development of palate and maxillary sinus
- 16)Pre-natal and post natal growth of mandible, Development of tongue

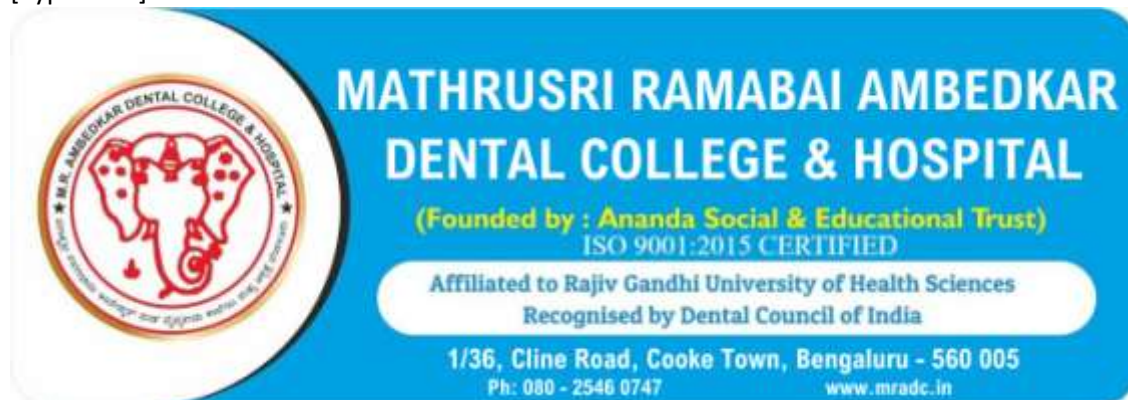
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Growth and development of cranial and facial region	- Lecture - AV aids	Questionnaire	15 mins



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## Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic- Habits

**General Objective-** At the end the of the session learner will be able to describe the etiology , classification, and management of various habits

### **Specific learning objective**

- 1) Definition, classification of different habits
- 2) Diagnosis of cases and identification and management of various habits
- 3) Knowledge of thumb sucking, tongue thrust, mouth breathing, bruxism and other minor habits

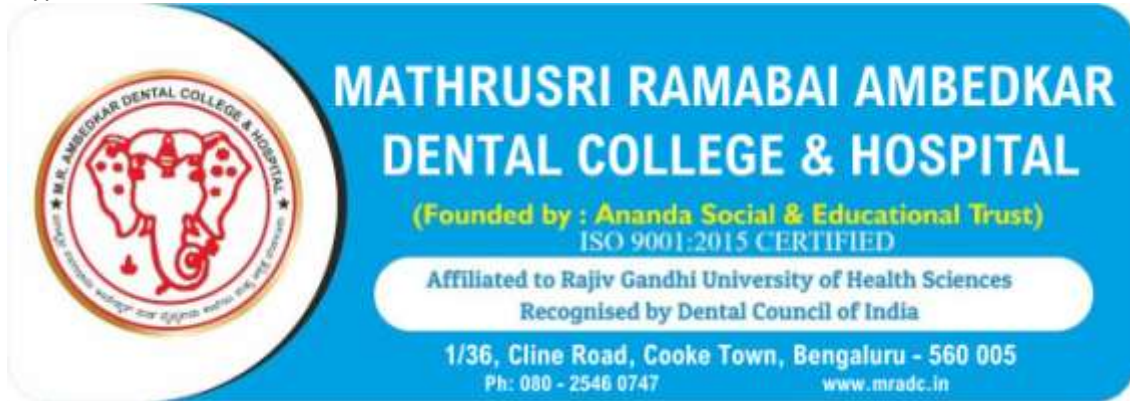
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about habits	- Lecture - AV aids	Questionnaire	15 mins



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### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Interceptive orthodontics

**General Objective-** At the end the of the session learner will be able to describe Skeletal maturity indicators, Anchorage in orthodontics, Preventive and Interceptive orthodontics.

**Specific learning objective**

5. Interceptive orthodontics

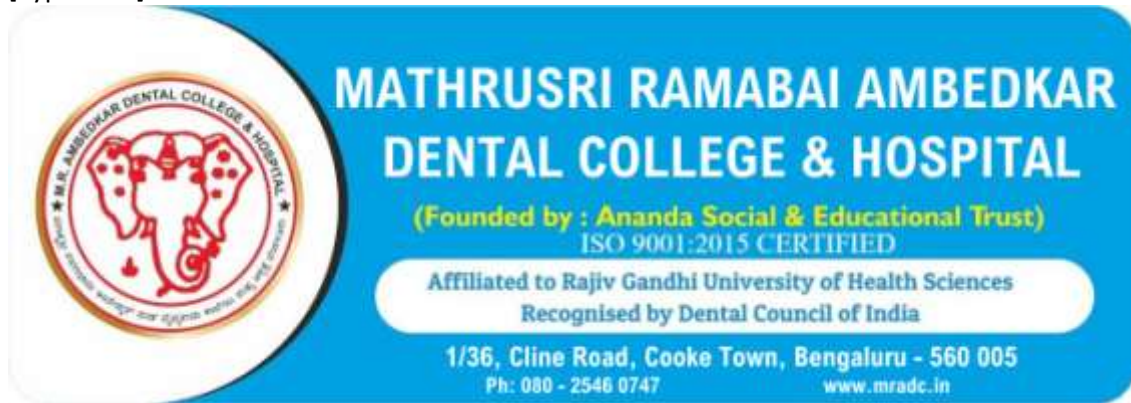
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Interceptive orthodontics	<ul style="list-style-type: none"><li>- Lecture</li><li>- AV aids</li></ul>	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date- 25-08-2022

Time – 03 hour

Topic –Introduction to Orthodontics and Case history

**General Objective-** At the end the of the session learner will be able to describe about the basic orthodontics and importance of patient's case history

**Specific learning objective**

47)Branches of orthodontics, objective and treatment planning in orthodontics

48)Diagnosis of cases, to optimize the aesthetic of face , to provide stable occlusion and to improve functional efficiency .

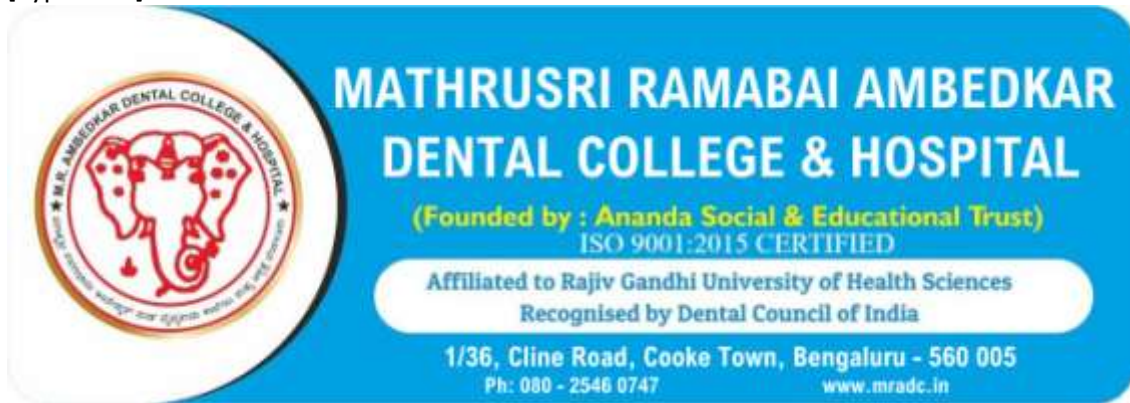
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Basic orthodontics and case history.	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Lab Procedures

**General Objective-** At the end the of the session learner will be able to know different lab techniques in the field of orthodontics.

**Specific learning objective**

- 49)Varieties of procedures done in the orthodontic lab.
- 50)Importance of lab procedures.

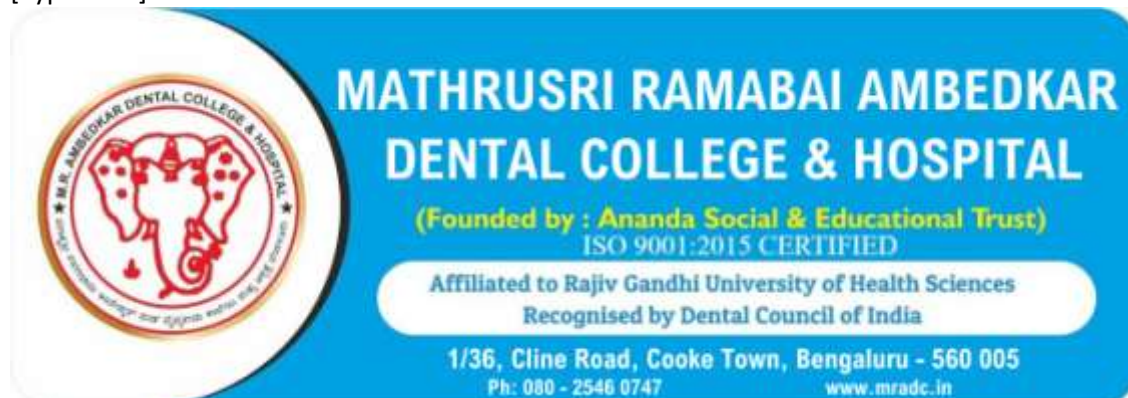
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about theLab Procedures.	- Lecture - AV aids	Questionnaire	15 mins



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### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Laboratory procedures in Orthodontics

**General Objective-** At the end of the session learner will be able to describe the various laboratory procedures and its applications.

### **Specific learning objective**

51)The various laboratory procedures.

52)The various techniques and recent advances.

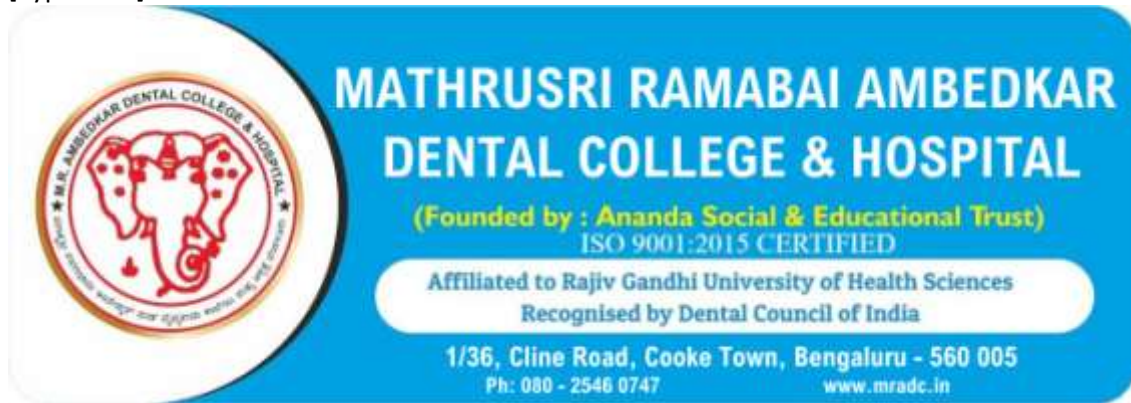
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Etiology of malocclusion	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Limitations of orthodontics

**General Objective-** At the end the of the session learner will be able to describe the various limitations of orthodontics

**Specific learning objective**

53) Intra-oral, Extra-oral and systemic risks of orthodontic treatment  
Induction time – 2 hrs

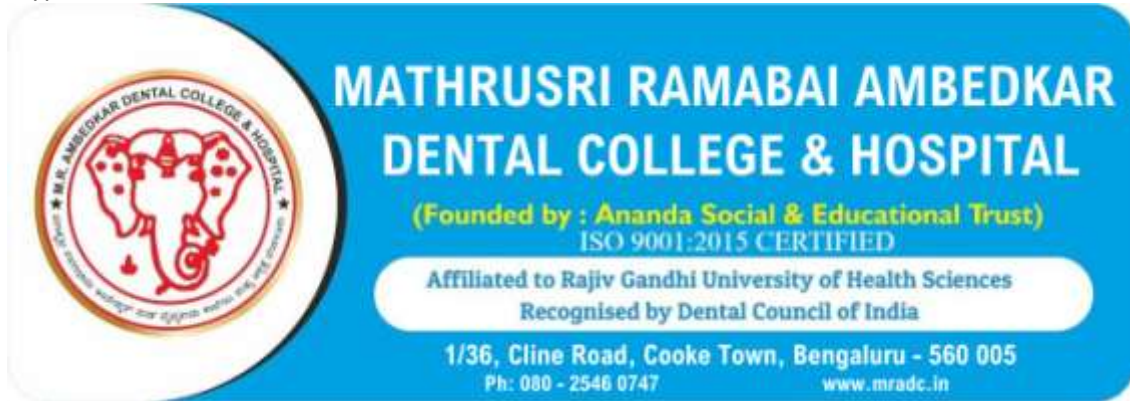
Objective	Method /medium	Assessment	Time
To make the student learn about Limitations of orthodontics	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –management of class III malocclusion

**General Objective-** At the end the of the session learner will be able to describe the features of class III malocclusion .

**Specific learning objective**

54) Skeletal features of class III malocclusion

55) Etiology, diagnosis , treatment for it

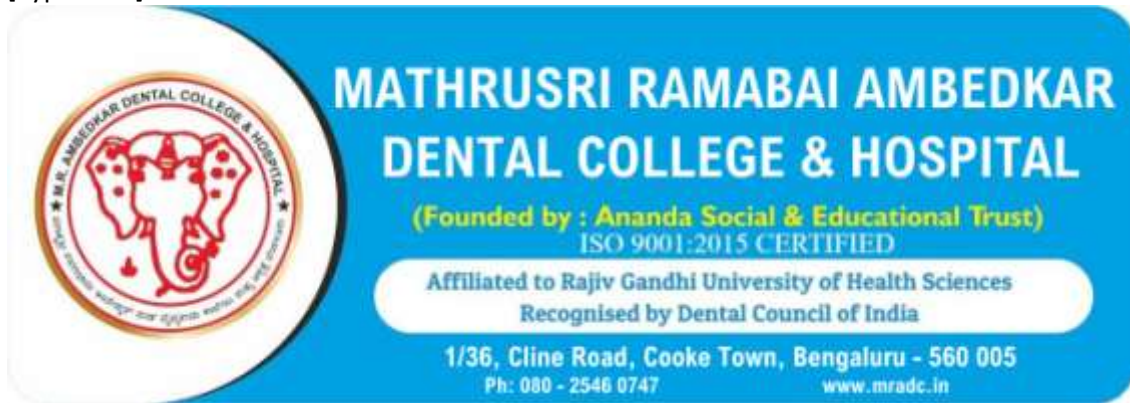
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Etiology of malocclusion	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic – Management of Crossbite

**General Objective-** At the end of the session learner will be able to describe the various methods of managing crossbites.

**Specific learning objective**

56)The different types and causes of crossbite

57)The different methods of treatment of crossbites

Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Etiology of malocclusion	- Lecture - AV aids	Questionnaire	15 mins

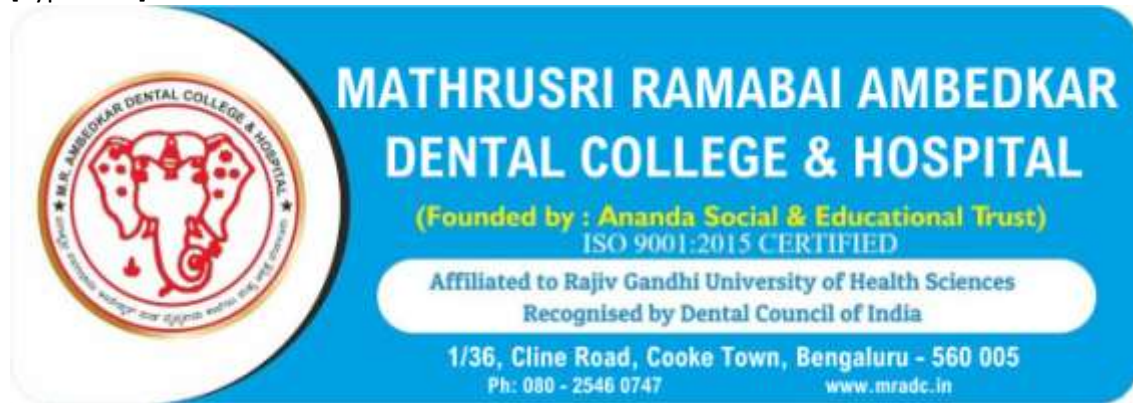


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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic – Management of Crossbite

**General Objective-** At the end of the session learner will be able to describe the various methods of managing crossbites.

**Specific learning objective**

58)The different types and causes of crossbite

59)The different methods of treatment of crossbites

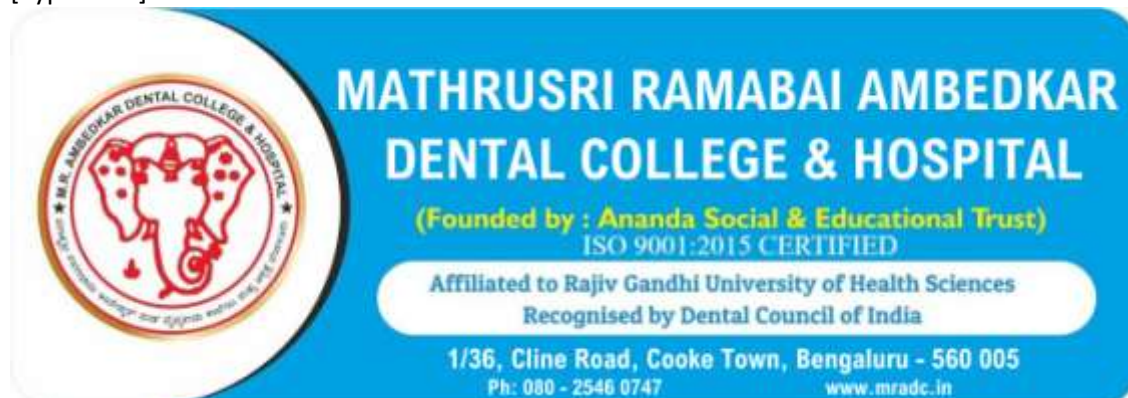
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Etiology of malocclusion	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Management of Some Common Malocclusions.

**General Objective-** At the end the of the session learner will be able to Assess the management of common malocclusions such as Midline diastema, Spacing, Crowding and Rotations.

**Specific learning objective**

- 60) Causes of malocclusions.
- 61) Diagnosis and treatment planning.

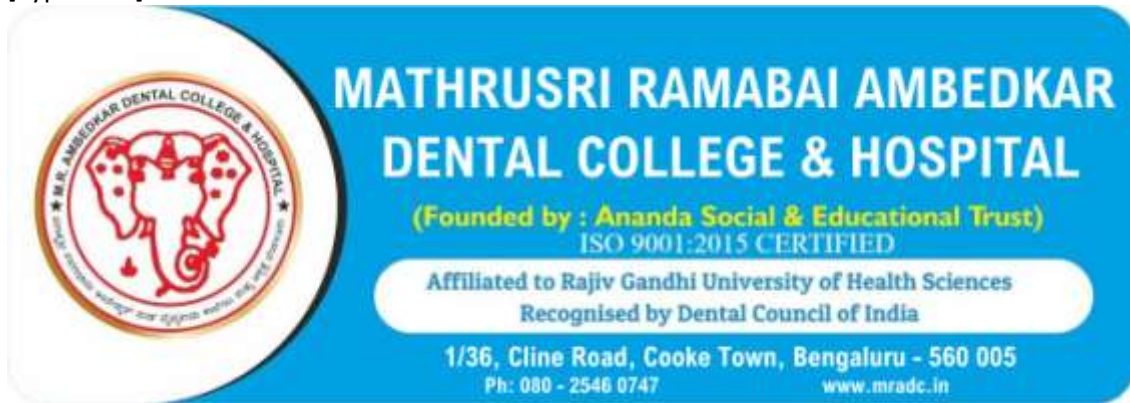
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about the Management of some malocclusions	<ul style="list-style-type: none"><li>- Lecture</li><li>- AV aids</li></ul>	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Management of Open Bite

**General Objective-** At the end the of the session learner will be able to Assess the management of Open Bite cases.

**Specific learning objective**

62)Types of Open Bite.

63)Etiology, diagnosis and treatment options for Open bite.

Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about the Management of Open bite.	- Lecture - AV aids	Questionnaire	15 mins

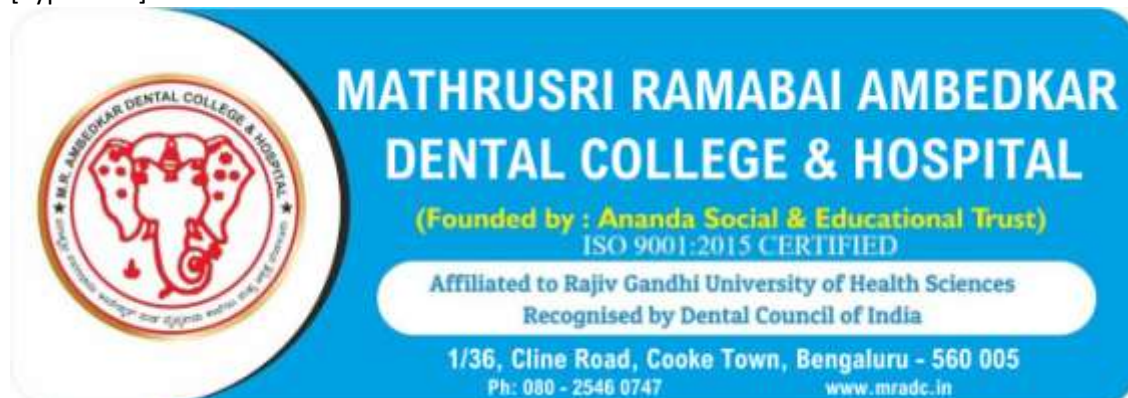


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### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –MANAGEMENT OF CLEFT LIP AND PALATE

**General Objective-** At the end the of the session learner will be able to describe the Cleft lip and palate and its management

### **Specific learning objective**

64) Incidence, Etiology and Classification of Cleft lip and palate

65) Problem associated with clefts and Management of Cleft lip and palate

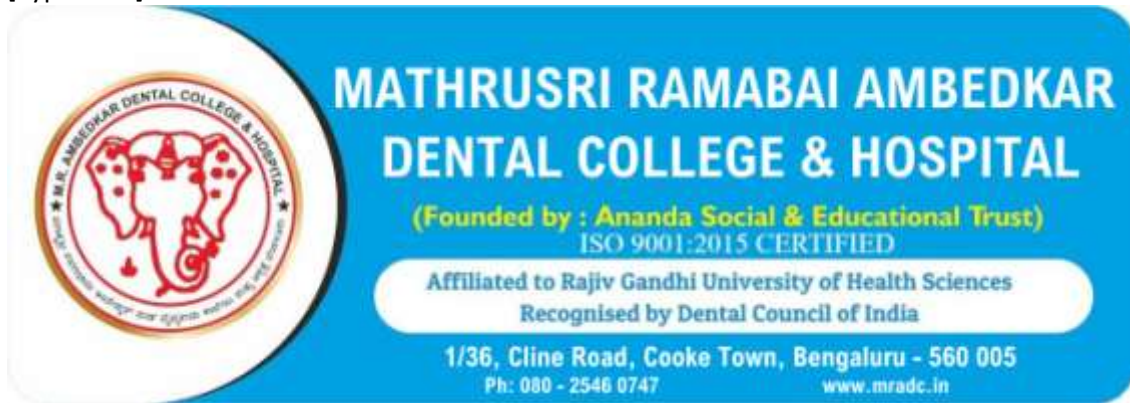
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about management of cleft lip and palate	- Lecture - AV aids	Questionnaire	15 mins



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## Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic – Model Analysis.

**General Objective-** At the end the of the session learner will be able to analyse and study the Cast models of Maxilla and Mandible .

### **Specific learning objective**

66) Various Study Model analysis methods.

Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about the Study Model Analysis methods.	<ul style="list-style-type: none"><li>- Lecture</li><li>- AV aids</li></ul>	Questionnaire	15 mins

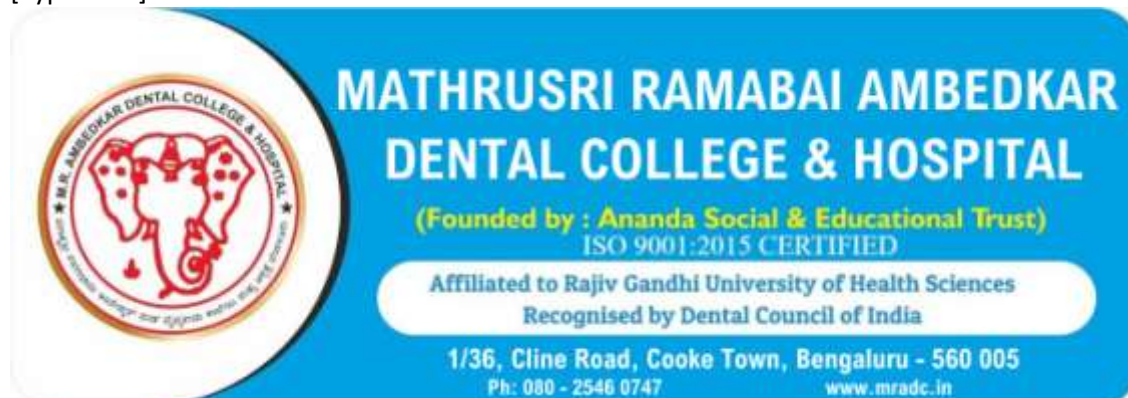


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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic – Occlusion

**General Objective-** At the end of this lesson the student will know various concepts of occlusion.

**Specific learning objective**

- 67)Arrangement of teeth in humans.
- 68)Imaginary occlusal planes and curves
- 69)Centric relation and centric occlusion
- 70)Eccentric occlusion
- 71)Andrew’s key of occlusion



Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Etiology of malocclusion	- Lecture - AV aids	Questionnaire	15 mins

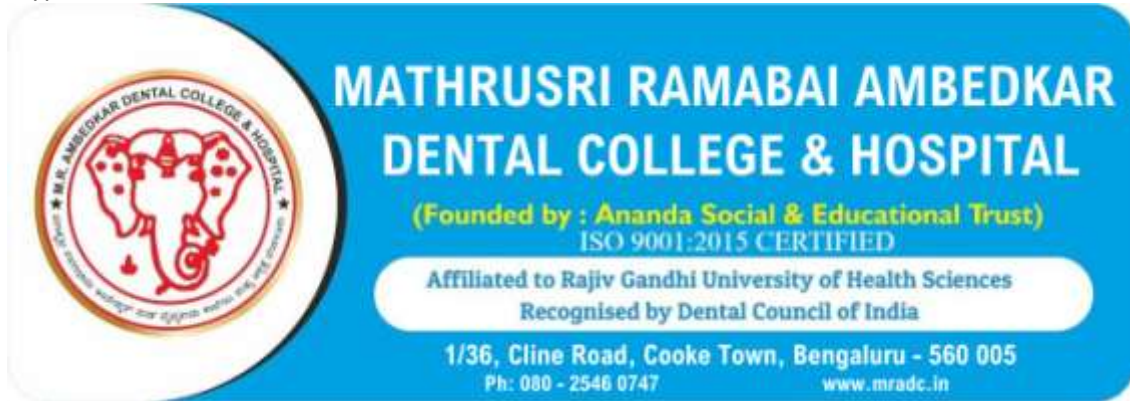
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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Orthopedic appliance

**General Objective-** At the end the of the session learner will be able to describe the various Orthopedic appliance .

**Specific learning objective**

72) Different orthopedic appliance and its uses

73) Diagnosis of cases and identification of appropriate appliance for treatment

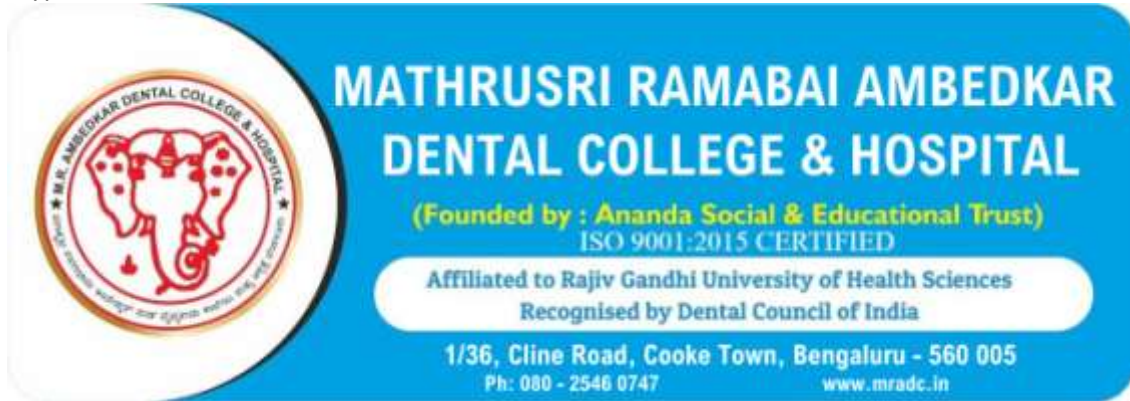
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Etiology of malocclusion	- Lecture - AV aids	Questionnaire	15 mins



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## Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic – Preventive and Interceptive Orthodontics

**General Objective-** At the end the of the session learner would gain knowledge on various orthodontic procedures that would prevent malocclusions followed by different ways to treat developing malocclusions in childhood  
**Specific learning objective**

### 74) Preventive orthodontic procedures

- Parent education
- Caries control
- Care of deciduous dentition
- Management of ankylosed tooth
- Maintenance of quadrant wise tooth shedding time table
- Checkup for oral habits and habit breaking appliance if necessary if necessary
- Occlusal equilibrium if there are any occlusal prematurities
- Prevention of damage to occlusion
- Extraction of supernumerary teeth
- Space maintenance
- Management of deeply locked first permanent molar
- Management of abnormal frenal attachments

### 75) Interceptive orthodontic procedures

- Serial extraction
- Correction of developing crossbite
- Control of abnormal habits
- Space regaining
- Muscle exercises
- Interception of skeletal malrelation

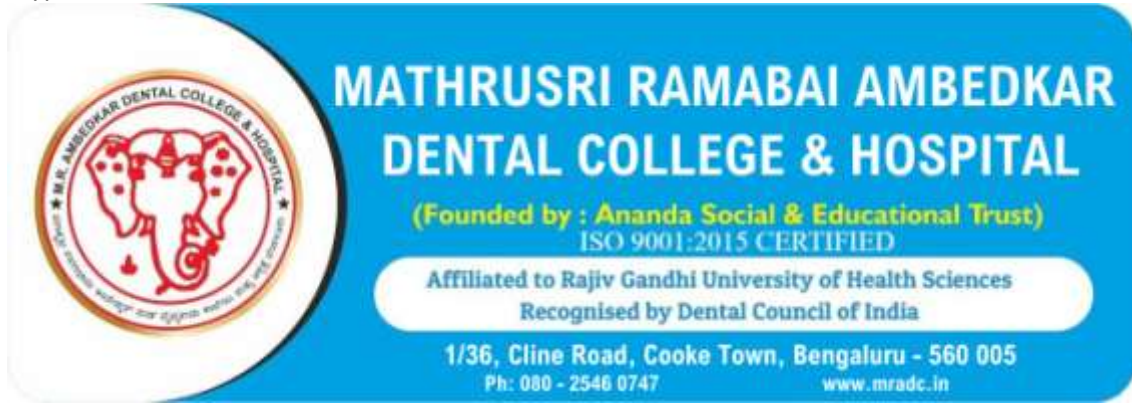


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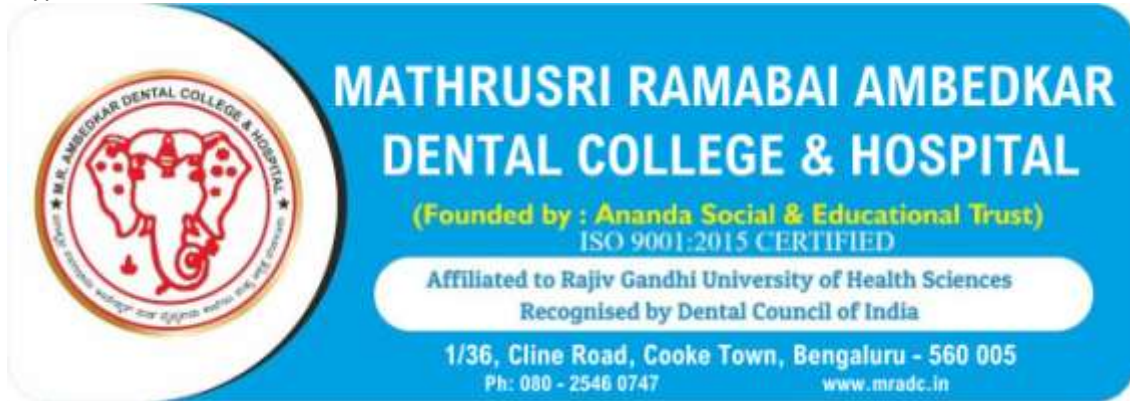
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Etiology of malocclusion	- Lecture - AV aids	Questionnaire	15 mins



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### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Preventive orthodontics

**General Objective-** At the end the of the session learner will be able to describe Interceptive orthodontics.

**Specific learning objective**

1.Preventive orthodontics

Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Preventive orthodontics	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Removable Clear Appliances for Orthodontic Treatment

**General Objective-** At the end the of the session learner will be able to describe the various removable clear appliances for Orthodontic treatment

**Specific learning objective**

76)History of removable clear appliances and various systems

77)Steps in treatment with invisalign

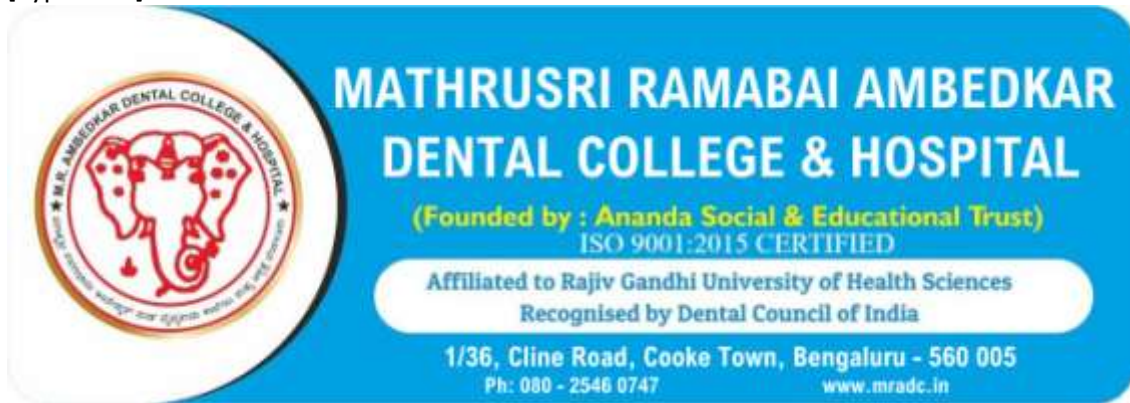
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about removable clear appliances for Orthodontic treatment	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –retention and relapse

**General Objective-** At the end the of the session learner will be able to answer the causes of relapse .

**Specific learning objective**

78) Schools and Theories of retention

79) Types of retention and retainers

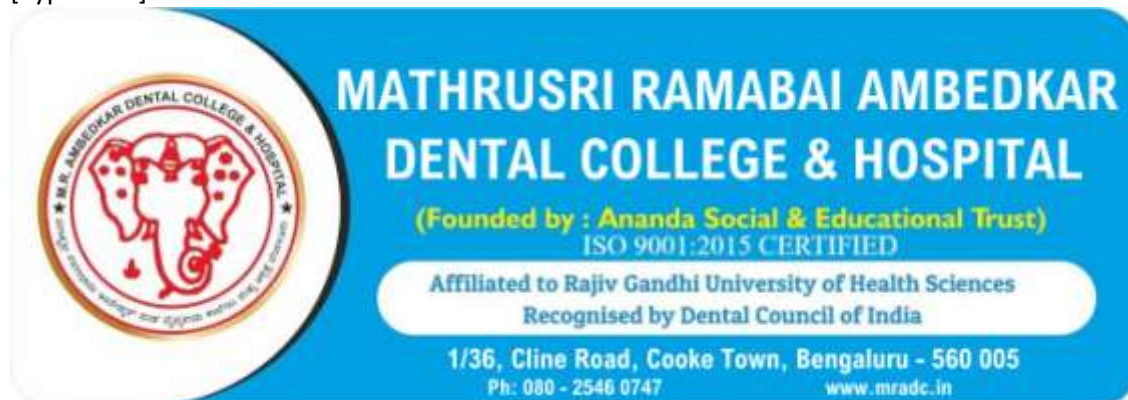
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Etiology of malocclusion	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Skeletal maturity indicators



**General Objective-** At the end the of the session learner will be able to describeSkeletal maturity indicators

**Specific learning objective**

6. Skeletal maturity indicators

Induction time – 2 hrs

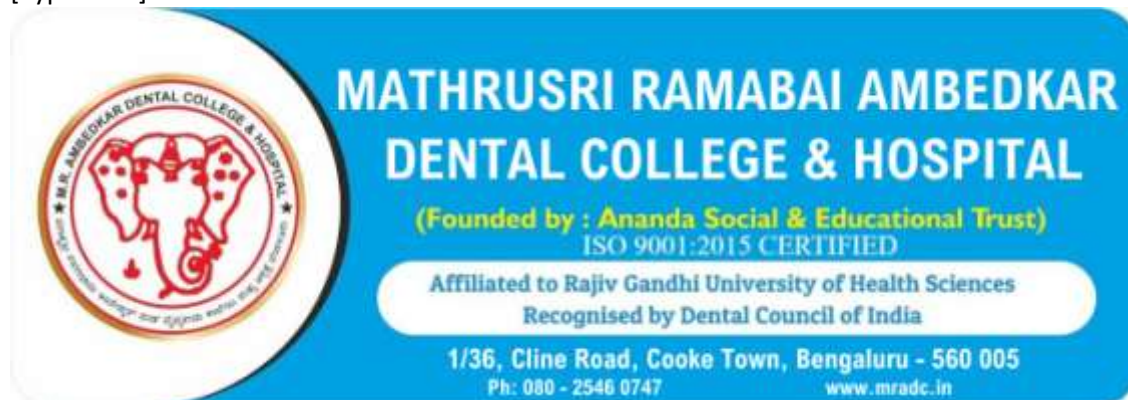
Objective	Method /medium	Assessment	Time
To make the student learn about the different Skeletal maturity indicators	- Lecture - AV aids	Questionnaire	15 mins

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### Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date- 28-10-2022

Time – 03 hour

Topic – Sleep Apnea and Removable Clear Appliances

**General Objective-** At the end of the session, learner will have an idea about sleep apnea disorder and will be able to describe the aetiology, clinical features, role of orthodontist in diagnosis and treatment planning and the various treatment modalities available for the same. They will also have an idea about recent advances in removable clear appliances used in the field of orthodontics.

### **Specific learning objective**

- 80) Specific diagnosis and treatment planning
- 81) Various removable clear appliances and recent advances

Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Computers in Dentistry	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Surgical orthodontics

**General Objective-** At the end the of the session learner will be able to describe the various surgical procedures for orthodontic purpose.

**Specific learning objective**

82)Major and minor surgical orthodontic procedures.

83)Treatment of dentofacial corrective procedures.

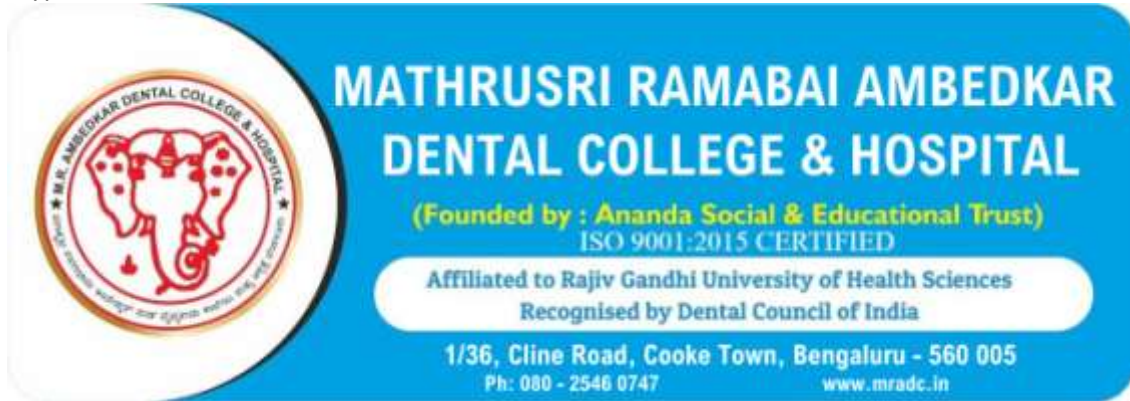
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Surgical orthodontics	- Lecture - AV aids	Questionnaire	15 mins



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Lesson plan

Class- 4<sup>th</sup> BDS Domain - Cognitive

Number of students- 72 Date-

Time – 03 hour

Topic –Treatment of class II malocclusion

**General Objective-** At the end the of the session learner will be able to describe the various treatment plan for class II malocclusion

**Specific learning objective**

84)Special consideration for Class II Div 1 and Div 2.

85)Treatment planning for both growing and non-growing patient.

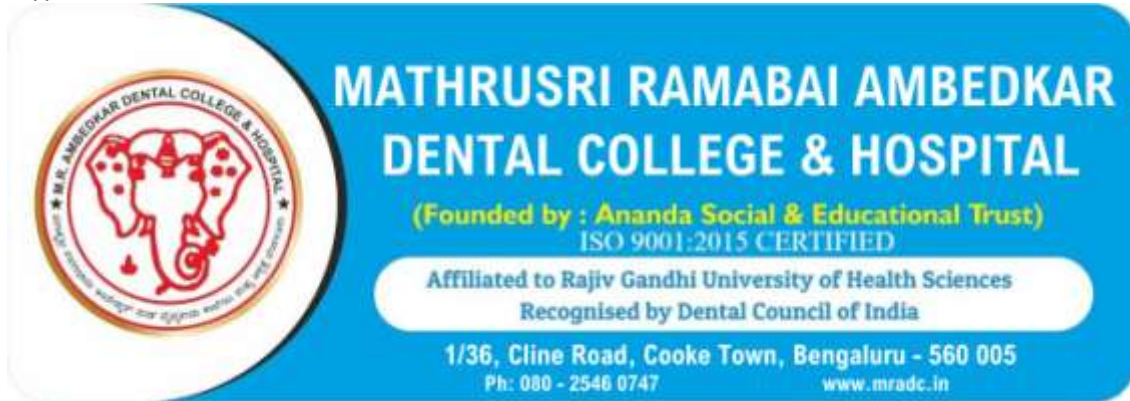
Induction time – 2 hrs

Objective	Method /medium	Assessment	Time
To make the student learn about Treatment of class II malocclusion.	- Lecture - AV aids	Questionnaire	15 mins



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**Topic: Atraumatic restorative treatment**

Domain: Cognitive

Number of students: 100

Total number of classes: 01 hours (1 hour each class)

**1<sup>st</sup> class:**

Set induction time: 10 minutes

Introduction to the topic with

Objectives: 40 minutes

1. Discuss the indication and contraindications of Atraumatic restorative treatment
2. Discuss the armamentarium required for Atraumatic restorative treatment
3. Discuss the steps involved in ART
4. Discuss the advantages and disadvantages of ART

Method/Medium:

AV aids (PPT presentation)

Assessment: 10 minutes

Questionnaires

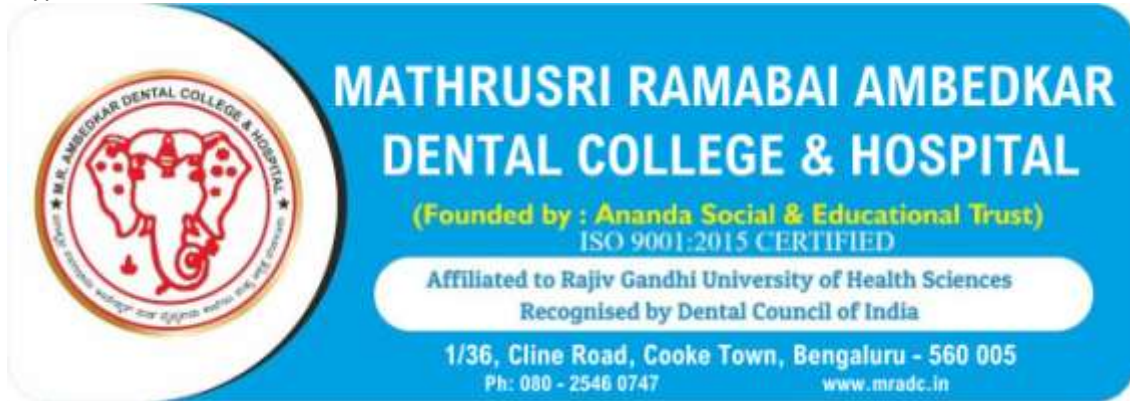


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## DEPARTMENT OF PEDODONTICS

### Topic: Caries activity test and cariogram

Domain: Cognitive

Number of students: 100

Total number of classes: 01 hours (1 hour each class)

### 1<sup>st</sup> class:

Set induction time: 10 minutes

Introduction to the topic

Objective: 40 minutes

1. Define caries activity test
2. Classify caries activity test
3. Describe various caries activity tests
4. Discuss caries risk
5. Describe caries susceptibility
6. Describe cariogram
7. Discuss the clinical examination findings associated with caries risk



Method/Medium:

AV aids (PPT presentation)

Video demonstration of caries activity tests

Assessment: 10 minutes

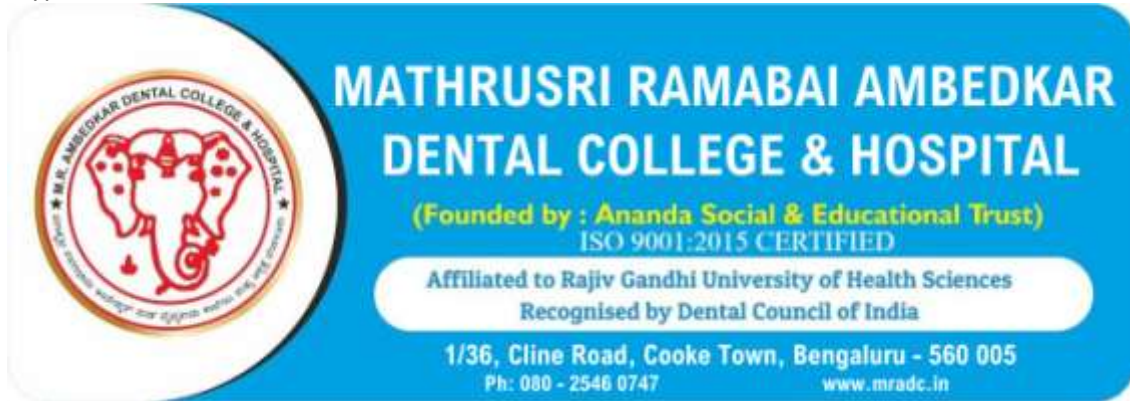
Quiz

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DEPARTMENT OF PEDODONTICS

**Topic: Caries Diagnostic Aids**

Domain: Cognitive

Number of students: 100

Total number of classes: 01 hour

**1<sup>st</sup> class:**

Set induction time: 05 minutes

Introduction to the topic

Objectives (SLO): 45 minutes

1. Discuss ideal requisites for caries detection.
2. List and classify the methods of caries detection.
3. Describe the visual method of caries detection.
4. Describe the tactile method of caries detection.
5. Describe the illumination method of caries detection.
6. Describe the method of caries detection using dyes.
7. Describe the method of caries detection using different kinds of radiographs.
8. Discuss the recent advances in caries detection.



Method/Medium:

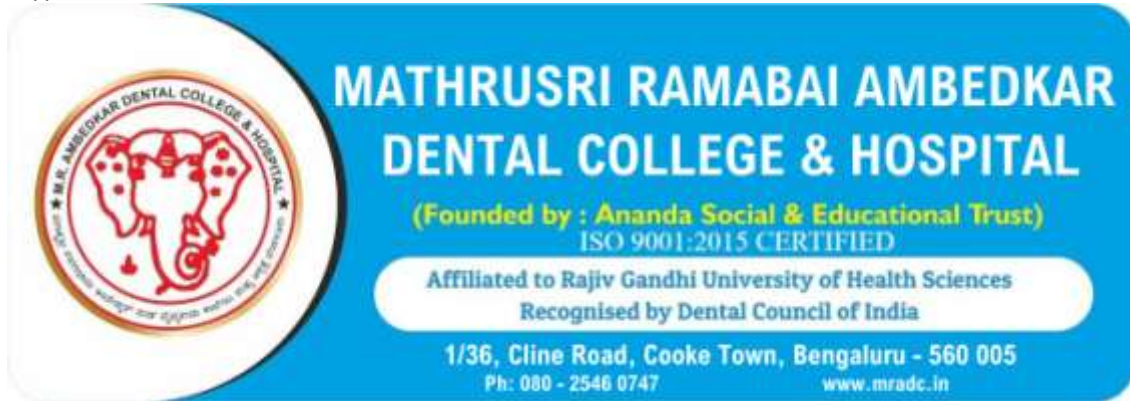
AV Aids (Powerpoint presentation)

Assessment: 10 minutes

Questionnaires

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## DEPARTMENT OF PEDODONTICS

### Topic: Child Abuse and Neglect

Domain: Cognitive

Number of students: 70

Total number of classes: 01 hours

Set induction time: 10 minutes

Introduction to the topic

Objectives: 40 minutes

1. Discuss the various types of Child abuse and Neglect
2. Describe the features of Child abuse and Neglect
3. Differentiate between Child Abuse and Neglect
4. Enlist the case history model for child abuse
5. Describe Battered Child Syndrome

Method/Medium:

AV aids (PPT presentation)

Assessment: 10 minutes

Questionnaires

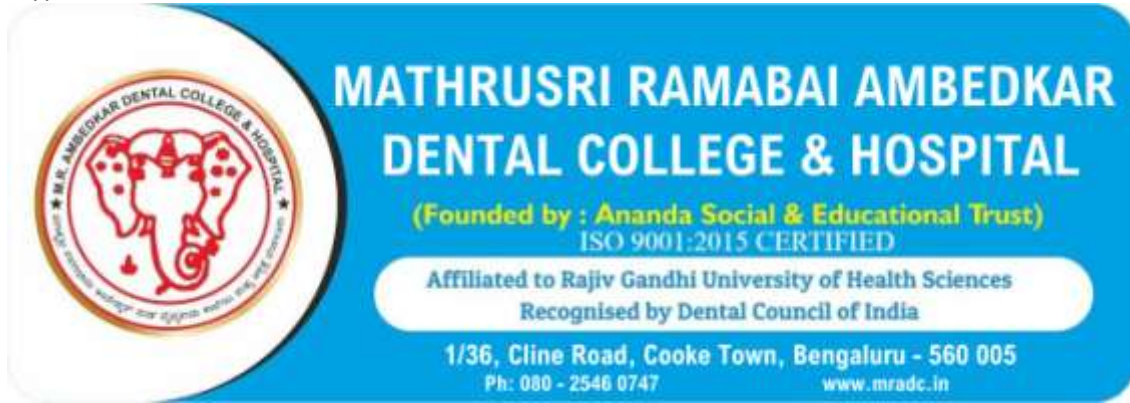


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## DEPARTMENT OF PEDODONTICS

### **Topic: Dental Caries**

Domain: Cognitive

Number of students: 100

Total number of classes: 01 hours (1 hour each class)

### **1<sup>st</sup> class:**

Set induction time: 10 minutes

Introduction to the topic with reference to clinical scenarios

Objectives: 40 minutes

1. Define dental caries
2. Classify dental caries
3. Describe the epidemiology of dental caries
4. Etiology the etiology of dental caries
5. Discuss the clinical characteristics of dental caries
6. Discuss the histopathology of dental caries

Method/Medium:

AV aids (PPT presentation)

Assessment: 10 minutes

Questionnaires

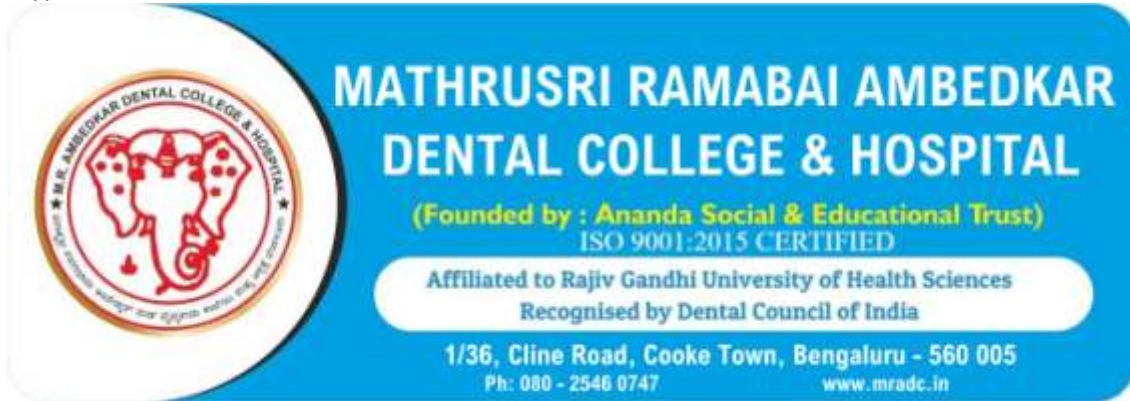


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## DEPARTMENT OF PEDODONTICS

### Topic: Development of Occlusion

Domain: Cognitive

Number of students: 100

Total number of classes: 02 hours (1 hour each class)

#### **1<sup>st</sup> class-**

Set induction time: 10 minutes

Introduction to the topic

Objectives: 40 minutes

6. Discuss the periods of development of occlusion
7. Discuss the primary dentition period
8. Classify types of spacing in primary dentition period
9. Discuss primary molar relation

Method/Medium:

AV aids (PPT presentation)

Assessment: 10 minutes

Questionnaires

#### **2<sup>nd</sup> class:**

Set induction time: 5 minutes

Recap of 1<sup>st</sup> class

Objectives: 45 minutes

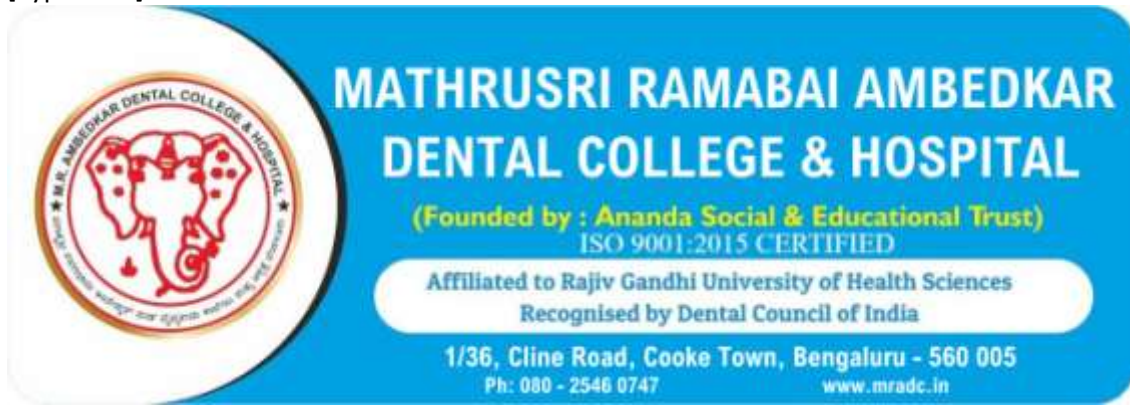
1. Discuss the mixed dentition period
2. Discuss the phases of mixed dentition
3. Describe ugly duckling stage
4. Discuss the permanent dentition period

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5. Discuss Andrew's keys of normal occlusion

Method/Medium:

AV aids (PPT presentation) Assessment: 10 minutes

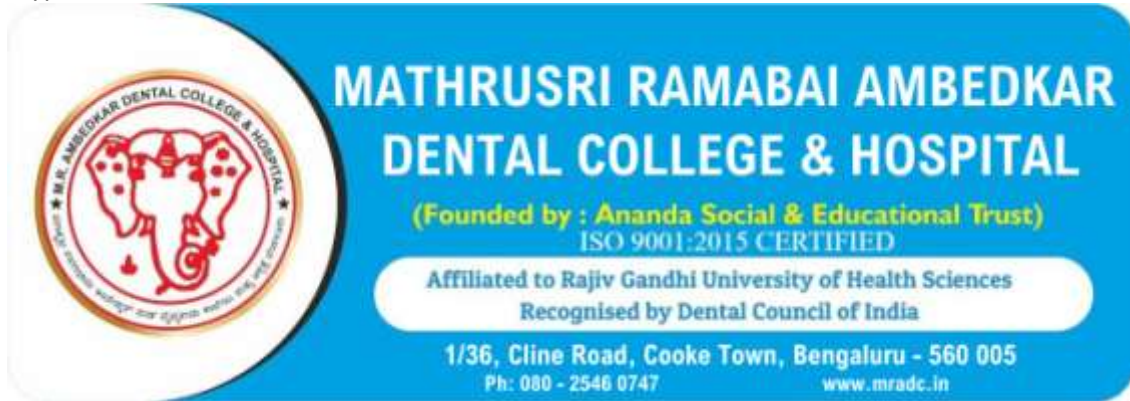


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## DEPARTMENT OF PEDODONTICS

### Topic: Developmental Anomalies of teeth

Domain: Cognitive

Number of students: 100

Total number of classes: 01 hours (1 hour each class)

#### 1<sup>st</sup> class:

Set induction time: 10 minutes

Introduction to the topic

Objective: 40 minutes

1. Discuss the developmental anomalies in size
2. Discuss the developmental anomalies in shape
3. Discuss the developmental anomalies in number
4. Discuss the developmental anomalies in eruption
5. Discuss the developmental anomalies in structure of enamel
6. Discuss the developmental anomalies in structure of dentin

Method/Medium:

AV aids (PPT presentation)

Models

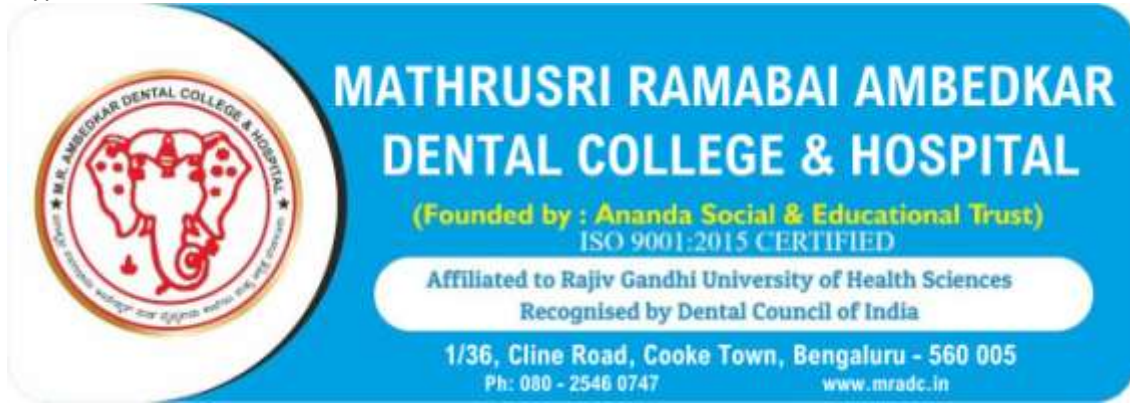
Assessment: 10 minutes

Quiz



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DEPARTMENT OF PEDODONTICS

**Topic: Differences between Primary and Permanent teeth**

Domain: Cognitive

Number of students: 100

Total number of classes: 01 hour

**1<sup>st</sup> class:**

Set induction time: 10 minutes

Introduction to the topic

Objectives (SLO): 40 minutes

1. Discuss the need to know the differences between primary and permanent teeth.
2. Discuss the general differences.
3. Discuss the morphological differences in the crown.
4. Discuss the morphological differences in the root.
5. Discuss the differences in the enamel.
6. Discuss the differences in the dentin.
7. Discuss the differences in the pulp.
8. Discuss the differences in histology.

Method/Medium:

AV aids (PPT presentation)

Assessment: 10 minutes

Questionnaires

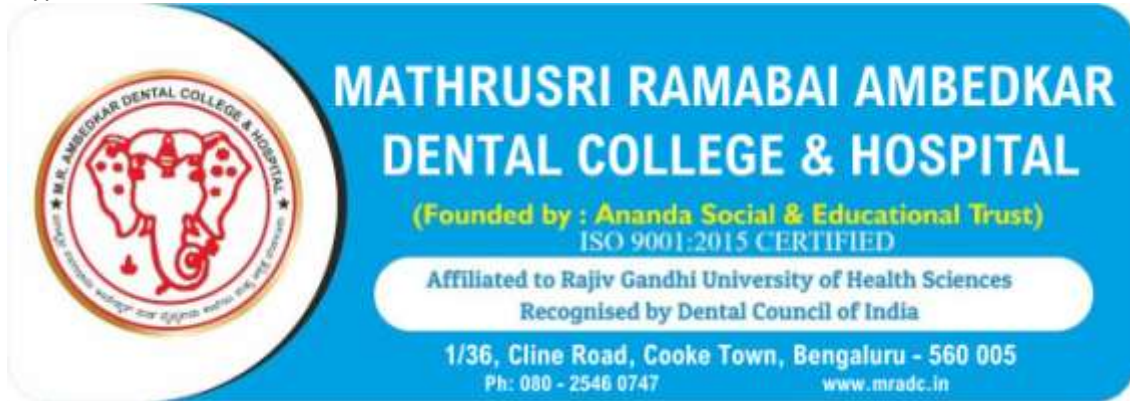


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DEPARTMENT OF PEDODONTICS

Class – 4<sup>th</sup> BDS

Domain-Cognitive

Number of students-100

Total number of classes: 05 hours (1 hour each class)

Topic: Dental Traumatology

**1<sup>st</sup> class:**

**Set induction time:** 10 minutes

Introduction to the topic

**Objectives (SLO):**40 minutes

1. Discuss the incidence and prevalence of dental injuries in primary and permanent dentition
2. Describe the etiology and mechanism of dental injuries
3. Classify dental injuries
4. Discuss the sequelae of traumatic dental injuries
5. Evaluation of patients with dental trauma

**Method/Medium:**

AV aids (PPT presentation)

**Assessment:** 10 minutes

Questionnaires

**Conclude:** Assignment



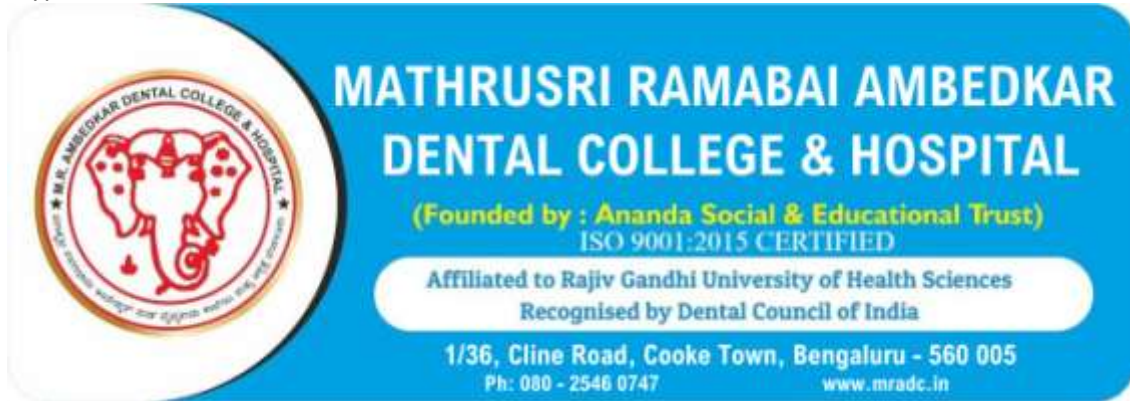
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Class – 4<sup>th</sup> BDS

Domain-Cognitive

Number of students-100

Total number of classes: 05 hours (1 hour each class)

Topic:Dental Management of children with special health care needs and genetics

**1<sup>st</sup> class:**

**Set induction time:** 10 minutes

Introduction to the topic

**Objectives (SLO):** 40 minutes

1. Define handicapped child.
2. Define special health care needs as given by AAPD.
3. Discuss the oral health needs and barriers to dental treatment in special children
4. Classification of handicapped children.
5. Discuss the prevalence, etiology, classification, pathophysiology, problems associated and management of cleft lip and palate.

**Method/Medium:**

AV aids (PPT presentation)

**Assessment:** 10 minutes

Questionnaires

**Conclude:** Assignment

**2<sup>nd</sup> class:**

**Set induction time:** 5 minutes

Recap of 1<sup>st</sup> class



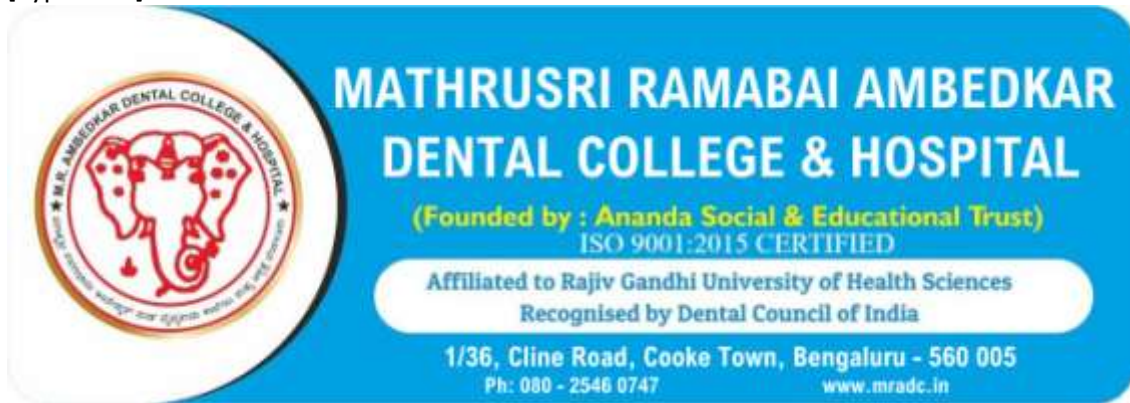
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**Objectives:**40 minutes

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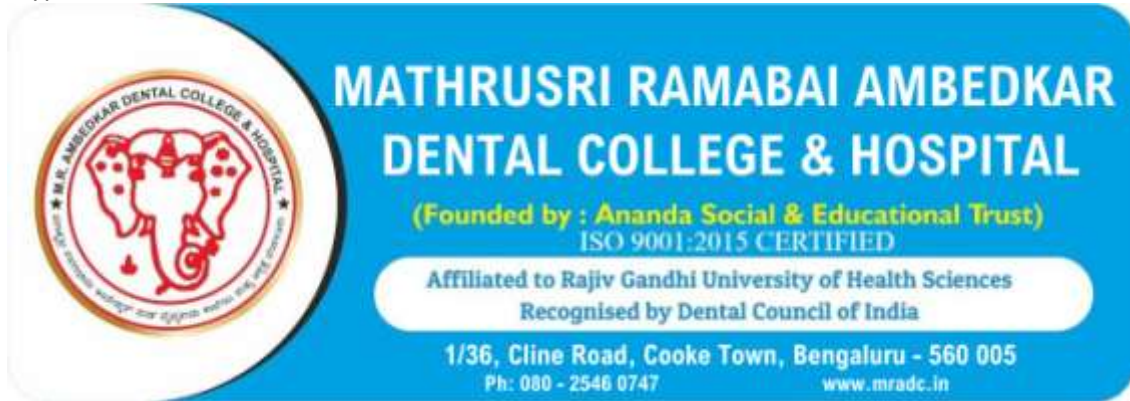


1. Discuss the dental management of children with visual impairment.
2. Discuss the dental management of children with hearing impairment.



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(Founded by : Ananda Social & Educational Trust)  
ISO 9001:2015 CERTIFIED

Affiliated to Rajiv Gandhi University of Health Sciences  
Recognised by Dental Council of India

1/36, Cline Road, Cooke Town, Bengaluru - 560 005  
Ph: 080 - 2546 0747 www.mradc.in

DEPARTMENT OF PEDODONTICS

## Topic: Early Childhood Caries

Domain: Cognitive

Number of students: 100

Total number of Classes: 02 hours

### 1<sup>st</sup> Class:

Set induction time: 05 minutes

Introduction to the topic

Objectives (SLO): 45 minutes

- Define Early Childhood Caries.
- Classify ECC.
- Discuss the Prevalence of ECC.
- Describe the Etiological factors of ECC.
- Discuss Clinical features of ECC.

Method/Medium:

AV Aids (Powerpoint presentation)

Assessment: 10 minutes Questionnaires

### 2<sup>nd</sup> Class:

Set induction time: 05 minutes

Recap of the 1<sup>st</sup> class

Objectives (SLO): 45 minutes

- Discuss the Consequences of ECC.

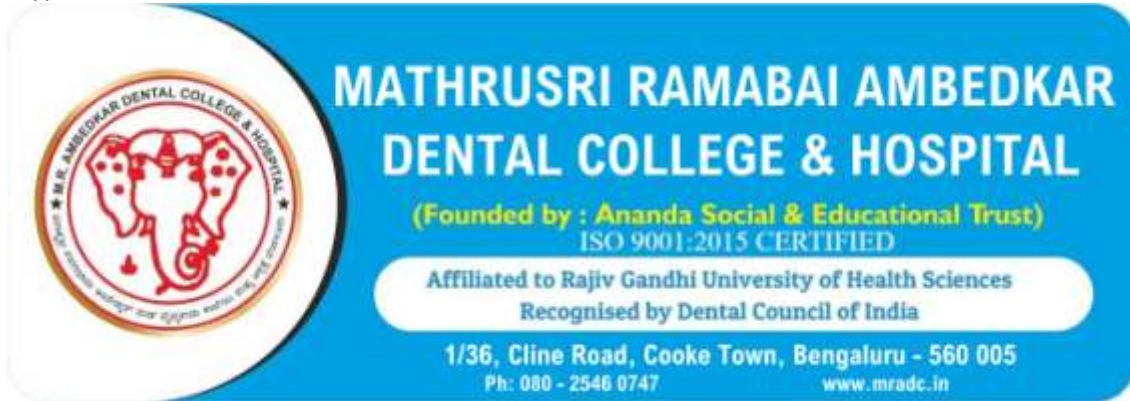


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- List the Complications of ECC.
- Discuss the Preventive measures of ECC.
- Discuss the Treatment and Management of ECC.
- Clinical Photographs

Method/Medium:

AV Aids (Powerpoint presentation)

Assessment: 10 minutes

Questionnaires



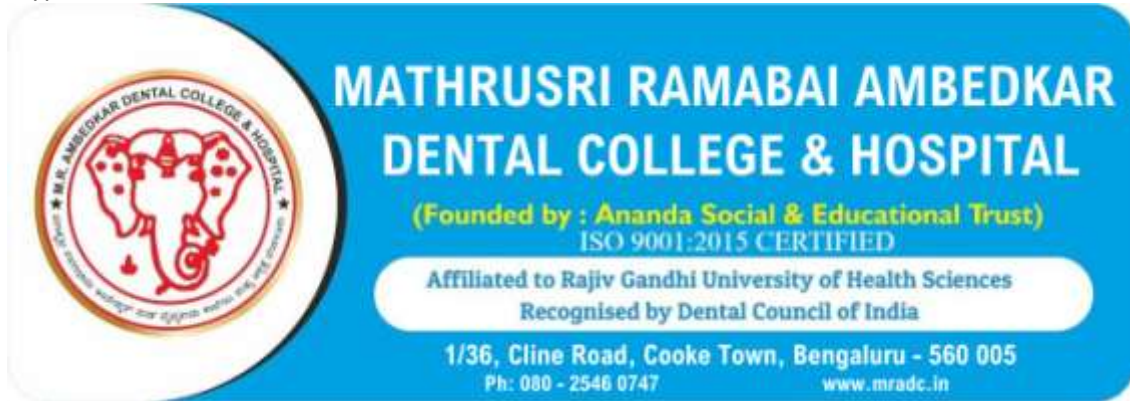
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## DEPARTMENT OF PEDODONTICS

### Topic: Pediatric Operative Dentistry

Domain: Cognitive

Number of students: 100

Total number of classes: 01 hours (1 hour each class)

#### 1<sup>st</sup> class:

Set induction time: 10 minutes

Introduction to the topic

Objectives: 40 minutes

1. Define operative dentistry
2. Discuss the anatomic considerations for primary teeth
3. Define cavity preparation
4. Classify cavity preparation
5. Discuss the general principles of cavity preparation
6. Discuss Kidd and Smith recommendations
7. Discuss the modifications of cavity preparation for primary teeth
8. Discuss the conservative approaches for proximal cavity preparation in primary teeth

Method/Medium:

AV aids (PPT presentation)

Assessment: 10 minutes

Questionnaires

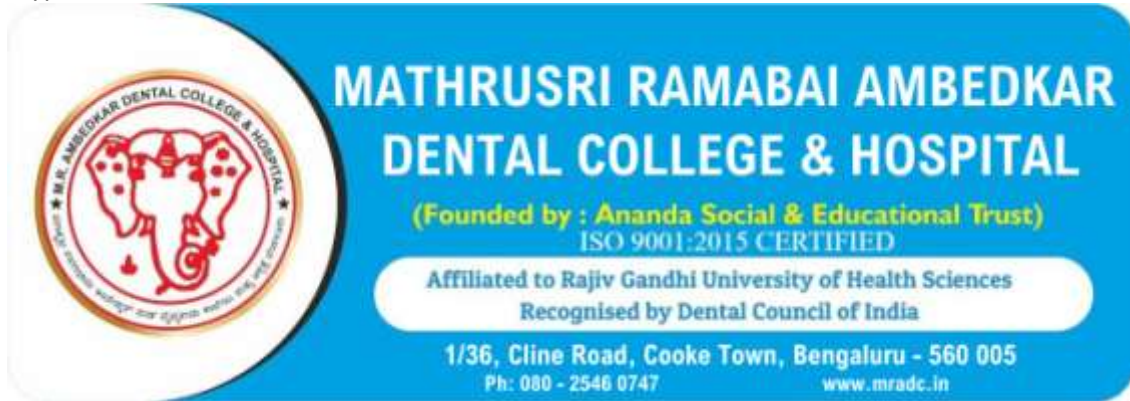


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## DEPARTMENT OF PEDODONTICS

### Topic: Pit and Fissure Sealants

Domain: Cognitive

Number of students: 100

Total number of classes: 01 hour

#### 1<sup>st</sup> class:

Set induction time: 05 minutes

Introduction to the topic

Objectives (SLO): 45 minutes

1. Define pits and fissures. Describe the morphology of fissures.
2. Discuss the introduction to pit and fissure sealants.
3. Classify pit and fissure sealants.
4. List the requisites of a pit and fissure sealant.
5. Discuss the indications and contraindications of pit and fissure sealants.
6. Describe the technique of application of a pit and fissure sealant.

Method/Medium:

AV Aids (Powerpoint presentation)

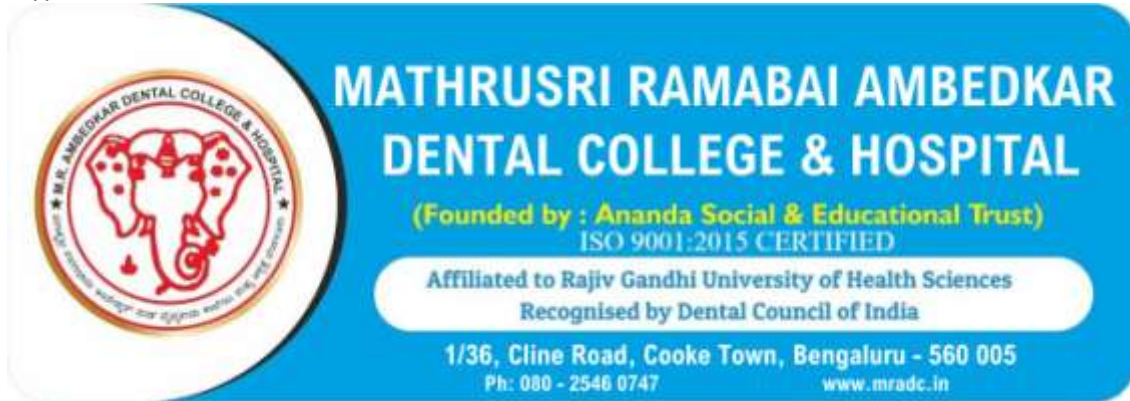
Assessment: 10 minutes

Questionnaires



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DEPARTMENT OF PEDODONTICS

**Topic: Plaque Control**

Domain: Cognitive

Number of students: 100

Total number of classes: 01 hour

**1<sup>st</sup> class:**

Set induction time: 05 minutes

Introduction to the topic

Objectives (SLO): 45 minutes

1. Classify methods of plaque control.
2. Discuss the mechanical methods of plaque control.
3. Describe the various brushing techniques.
4. Describe interdental cleaning aids.
5. Discuss the method of flossing.
6. Describe the chemical methods of plaque control.
7. Describe the various guidelines for oral hygiene maintenance at home.

Method/Medium:

AV Aids (Powerpoint presentation)

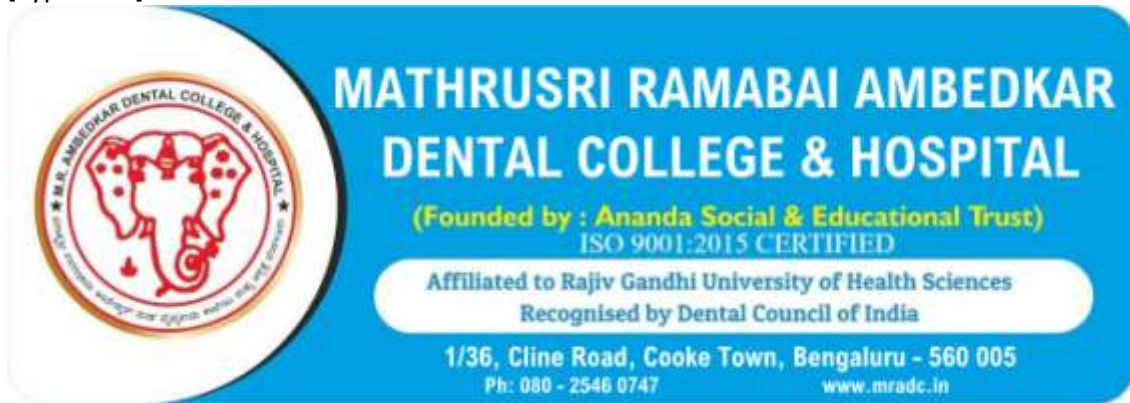
Assessment: 10 minutes

Questionnaires



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## DEPARTMENT OF PEDODONTICS

### Topic: Preventive orthodontics:

Domain: Cognitive

Number of students: 100

Total number of classes: 4 hours (1 hour each class)

### 1<sup>st</sup> class:

Set induction time: 10 minutes

Introduction to the topic

Objectives: 40 minutes

1. Define preventive orthodontics
2. Discuss the importance of primary dentition
3. Define space loss
4. Discuss the consequences of individual tooth space loss
5. Discuss the factor influencing space control programs
6. Discuss the clinical assessment for space management

### Method/Medium:

AV aids (PPT presentation)

Assessment: 10 minutes

Questionnaires

### 2<sup>nd</sup> class:

Set induction time: 5 minutes

Recap of 1<sup>st</sup> class

Objectives: 45 minutes

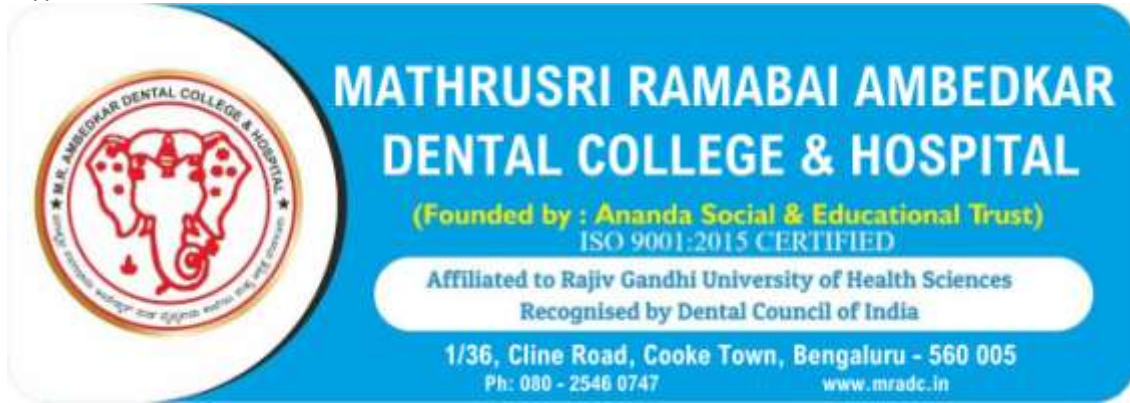


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1. Discuss few space discrepancy analysis
2. Define space maintenance and space control
3. Define space maintainers
4. Discuss the ideal requirements of space maintainers
5. Discuss the factors governing the selection of space maintainers

Method/Medium:

AV aids (PPT presentation)

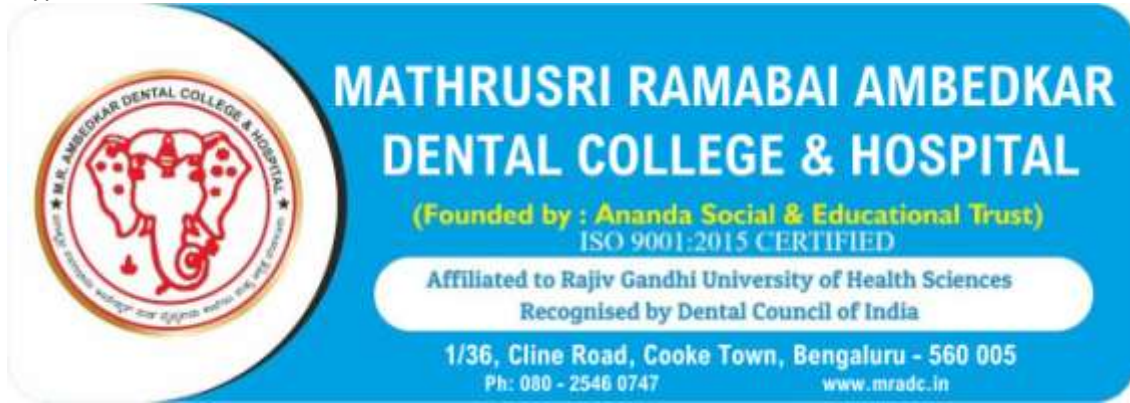
Assessment : 10 minutes

Questionnaires



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**3<sup>rd</sup> class:**

Set induction time: 5 minutes

Recap of 2<sup>nd</sup> class

Objectives: 45 minutes

1. Define fixed space maintainers
2. Discuss the steps in fabrication of fixed space maintainers
3. Discuss the types of fixed space maintainers
4. Discuss anterior aesthetic functional space maintainer

Method/Medium:

AV aids (PPT presentation)

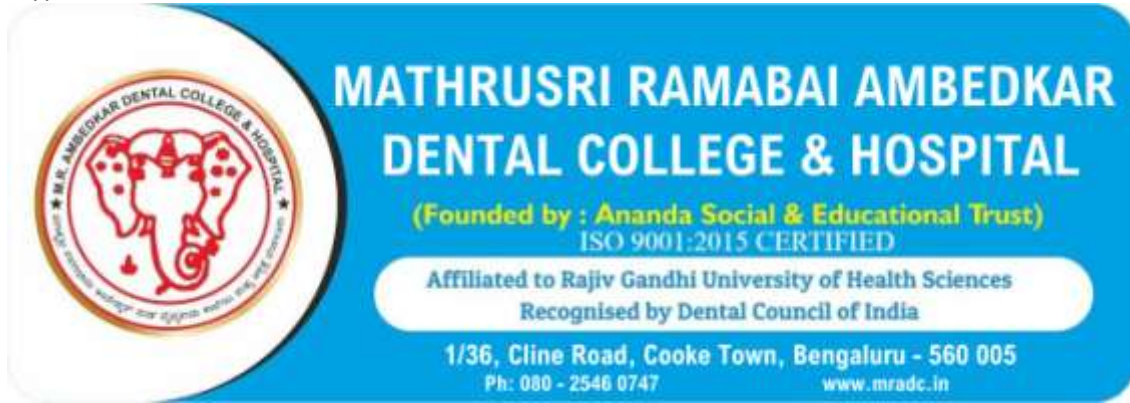
Assessment: 10 minutes

Questionnaires



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**4<sup>th</sup> class:**

Set induction time: 5 minutes

Recap of 3<sup>rd</sup> class

Objectives: 45 minutes

1. Introduction to removable space maintainer
2. Classify removable space maintainer
3. Discuss the indication and contraindications of removable space maintainer
4. Discuss the advantages and disadvantages of removable space maintainer

Method/Medium:

AV aids (PPT presentation)

Assessment : 10 minutes

Questionnaires

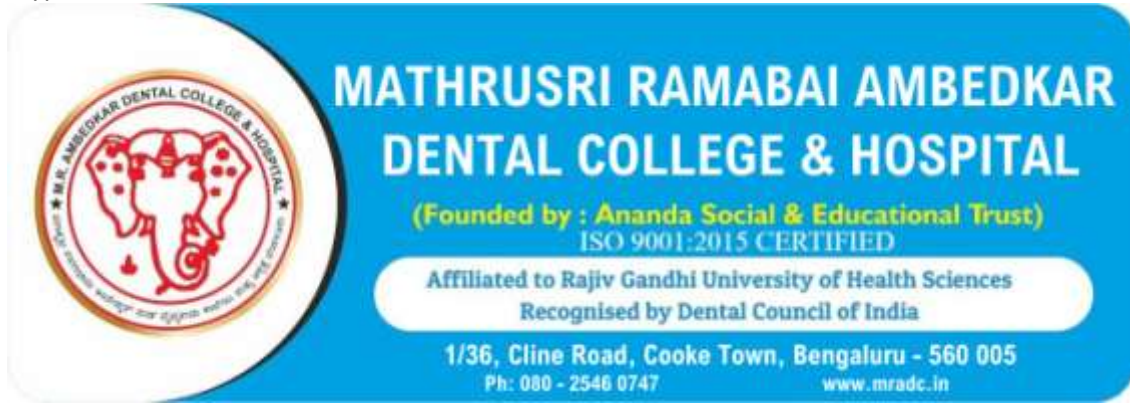
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## DEPARTMENT OF PEDODONTICS

Class – 4<sup>th</sup> BDS

Domain: Cognitive

Number of students: 100

Total number of classes: 2 hours (1 hour each class)

### 1<sup>st</sup> class:

Set induction time: 10 minutes

Introduction to the topic

Objectives: 40 minutes

1. Discuss the indications and contraindications of stainless-steel crowns
2. Discuss the composition of stainless- steel crown
3. Classify stainless- steel crowns
4. Discuss the armamentarium required for placement of stainless- steel crown
5. Discuss the steps involved in the adaptation of preformed stainless- steel crowns

Method/Medium:

AV aids (PPT presentation)



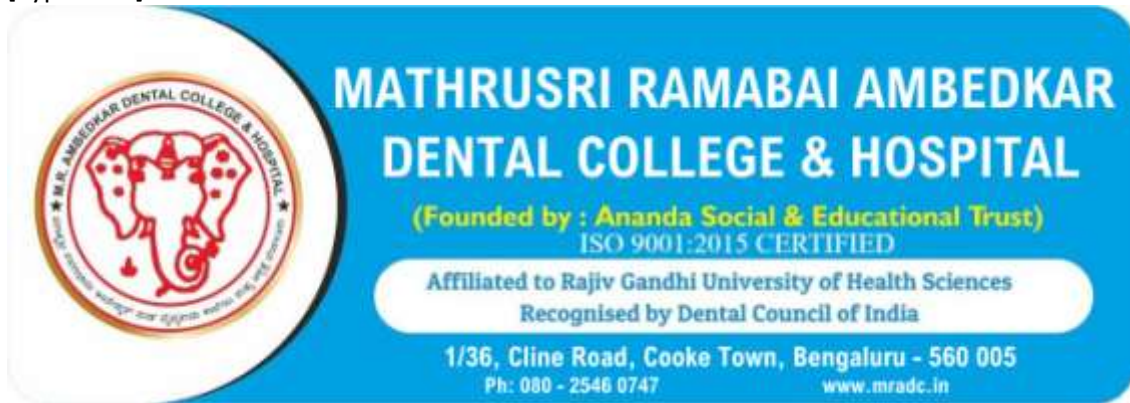
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Assessment: 10 minutes

Questionnaires

**2<sup>nd</sup> class:**

Set induction time: 5 minutes

Recap of 1<sup>st</sup> class

Objectives: 40 minutes

1. Discuss the biological approach or hall technique for placement of stainless-steel crowns
2. Discuss the conventional approach for placement of stainless- steel crowns
3. Discuss the clinical modifications of stainless- steel crowns
4. Discuss the complications associated withstainless- steel crowns

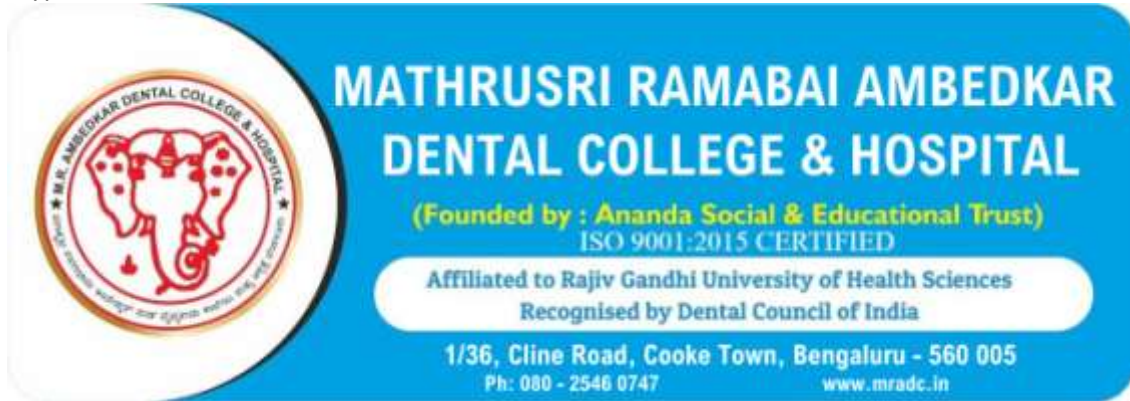
Method/Medium:

AV aids (PPT presentation)Assessment: 10 minutesQuestionnaires



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DEPARTMENT OF PEDODONTICS

**Topic: Strip crown**

Domain: Cognitive

Number of students: 100

Total number of classes: 1 hours (1 hour each class)

**1<sup>st</sup> class:**

Set induction time: 10 minutes

Introduction to the topic

Objectives: 40 minutes

1. Discuss the various anterior crowns in pediatric dentistry
2. Discuss the indications and contraindications of strip crowns
3. Describe the steps involved in strip crown cementation.
4. Describe the modifications of strip crowns

Method/Medium:

AV aids (PPT presentation)

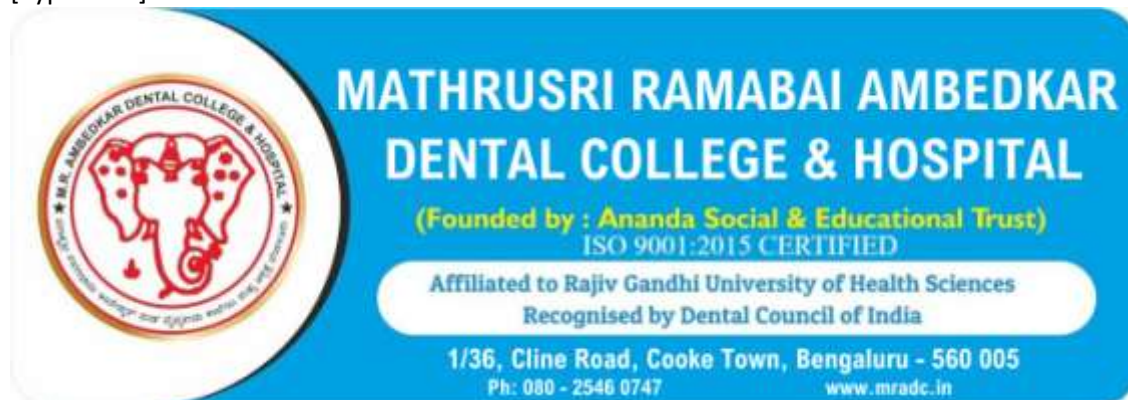
Assessment: 10 minutes

Questionnaires



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## Department of Oral Medicine and Radiology

### Lesson plan

**Class** – 4th BDS odd batch **Domain**-Cognitive

**Number of students**-24

**Time** – 1 hour

**Topic:** Depapillation of tongue

**General objective**-At the end of the session, the learner will be able to understand and differentiate the various causes of depapillation of the tongue.

**Specific learning objective-**

- 1)Terminology
- 2) To understand and differentiate the various causes of depapillation of the tongue.



Objective	Method/medium	Assessment	Time
To make the student learn about various causes of depapillation of the tongue.	-lecture -AV Aids	Questionnaire	15 min

**Conclude**- Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

**Class** – 4th BDS

**Domain**-Cognitive

**Number of students**-65

**Time** - 1hour

**Topic:** Diseases of Maxillary sinus

**General objective**-At the end of the session, the learner will be able to understand and differentiate the clinical and radiological features of various diseases of maxillary sinus.

**Specific learning objective-**



1)Terminology

2) Clinical features and radiological features of Diseases of Maxillary Sinus.

**Induction time**-45 mins.

Objective	Method/medium	Assessment	Time
To make the student learn about Diseases of Maxillary Sinus.	-lecture -AV Aids	Questionnaire	15 min

**Conclude**- Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

Class – 3<sup>rd</sup> BDS

Domain-Cognitive

Number of students-75

Time – 1 hour

**Topic:** Disorders of Blood

**General objective-**At the end of the session, the learner will be able to understand and differentiate the clinical and oral manifestations and its treatment of various blood disorders.

### **Specific learning objective-**

- 1)Terminology
- 2) Clinical and oral manifestations and its management of various Disorders of Blood.



**Induction time-**45 mins.

Objective	Method/medium	Assessment	Time
To make the student learn about Disorders of the Blood.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

**Class** – 3<sup>rd</sup>BDS[ ODD BATCH]**Domain**-Cognitive

**Number of students**-15

**Time** -1 hour

**Topic:** Orofacial Pigmentation

**General objective**-At the end of the session, the learner will be able to understand and identify various clinical and oral manifestations of oro-facial pigmentation.

**Specific learning objective**-

- 1)Terminology
- 2) Clinical ,oral manifestations of oro-facial pigmentation.



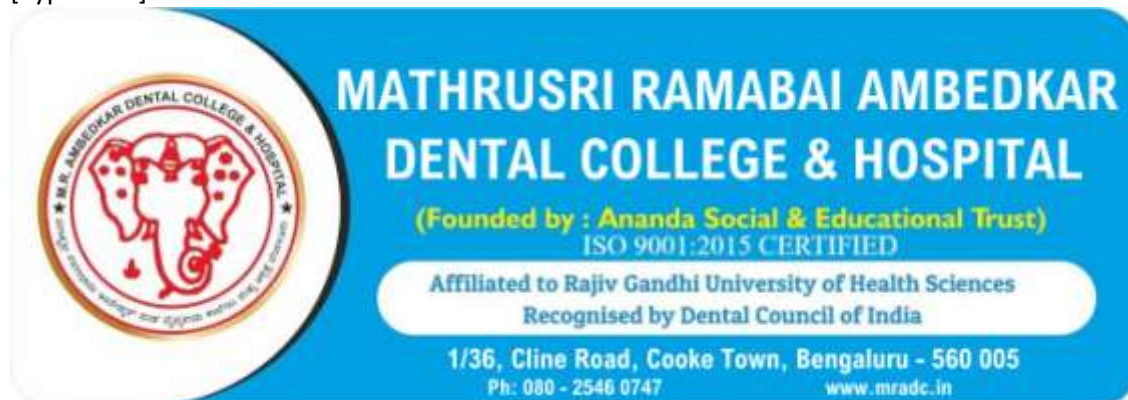
**Induction time**- 45 mins.

Objective	Method/medium	Assessment	Time
To make the student learn about Orofacial Pigmentation.	-lecture -AV Aids	Questionnaire	15 min

**Conclude**- Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

**Class** – 4th BDS[ODD BATCH]**Domain**-Cognitive

**Number of students**-24

**Time** – 1 hour

**Topic:** Xerostomia

**General objective**-At the end of the session, the learner will be able to describe the causes, clinical features and Management of Xerostomia.

### **Specific learning objective-**

- 1) Etiology and clinical features of Xerostomia
- 2) Management of Xerostomia.



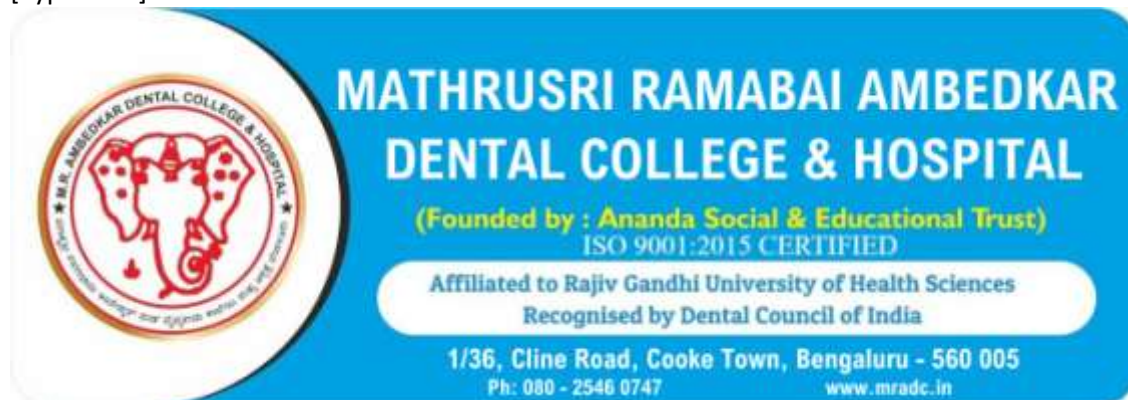
**Induction time**-45 mins.

Objective	Method/medium	Assessment	Time
To make the student learn about Xerostomia.	-lecture -AV Aids	Questionnaire	15 min

**Conclude**- Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

Class – 4<sup>th</sup> BDS

Domain-Cognitive

Number of students-65

Time – 1 hour

**Topic:** Herpes Simplex

**General objective-**At the end of the session, the learner will be able to understand and describe various clinical and oral manifestations of herpes simplex.

### **Specific learning objective-**

- 1) Etiology and clinical features
- 2) Management of Herpes Simplex.



**Induction time-** 45 mins.

Objective	Method/medium	Assessment	Time
To make the student learn about Herpes Simplex.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

**Class** – 4<sup>th</sup> BDS

**Domain**-Cognitive

**Number of students**-65

**Time** – 1 hour

**Topic:** Herpes Zoster

**General objective**-At the end of the session, the learner will be able to understand and describe various clinical and oral manifestations of herpes zoster.

### **Specific learning objective-**

- 1) Etiology and clinical features
- 2) Management of Herpes Zoster.



**Induction time**- 45 mins.

Objective	Method/medium	Assessment	Time
To make the student learn about Herpes Zoster.	-lecture -AV Aids	Questionnaire	15 min

**Conclude**- Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

**Class** – 3<sup>rd</sup> BDS

**Domain**-Cognitive

**Number of students**-75

**Time** - 1hour

**Topic:** Erythema Multiforme

**General objective**-At the end of the session, the learner will be able to understand and describe the clinical and oral manifestations and its management.

**Specific learning objective-**

- 1) Etiology, clinical and oral manifestations
- 2) Management of Erythema Multiforme.



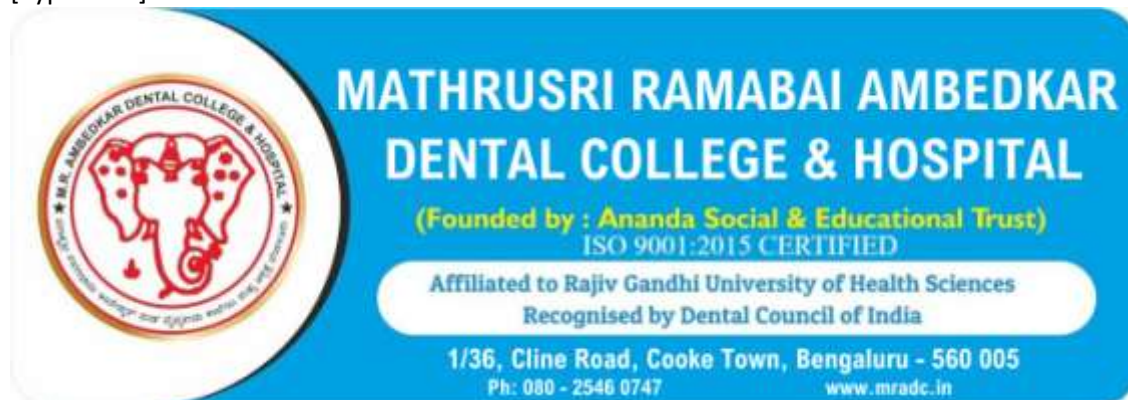
**Induction time**-30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Erythema Multiforme.	-lecture -AV Aids	Questionnaire	15 min

**Conclude**- Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

**Class** – 3<sup>rd</sup> BDS

**Domain**-Cognitive

**Number of students**-75

**Time** - 1hour

**Topic:** Pemphigus

**General objective**-At the end of the session, the learner will be able to understand and describe the clinical and oral manifestations and its management of pemphigus.

### **Specific learning objective-**

- 1) Etiology and clinical features
- 2) Management of Pemphigus.



**Induction time**-30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Pemphigus.	-lecture -AV Aids	Questionnaire	15 min

**Conclude**- Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

**Class** – 3<sup>rd</sup> BDS

**Domain**-Cognitive

**Number of students**-75

**Time** - 1hour

**Topic:** Pemphigoid

**General objective**-At the end of the session, the learner will be able to understand and describe the clinical and oral manifestations and the management of pemphigoid.

### **Specific learning objective-**

- 1) Etiology and clinical features
- 2) Management of Pemphigoid.



**Induction time**-30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Pemphigoid.	-lecture -AV Aids	Questionnaire	15 min

**Conclude**- Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

Class – 4<sup>th</sup> BDS

Domain-Cognitive

Number of students-65

Time - 1hour

**Topic:** Pain and its Classification

**General objective-**At the end of the session, the learner will be able to understand and describe various types of pain.

### **Specific learning objective-**

1)Terminology

2)Classification of Pain



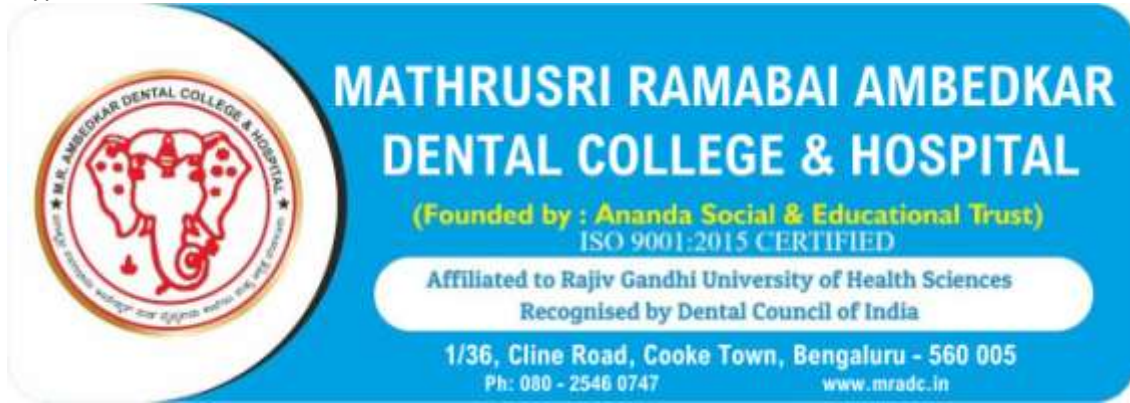
**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Pain and its Classification.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

**Class – 4<sup>th</sup>BDS**

**Domain-Cognitive**

**Number of students-65**

**Time - 1hour**

**Topic:** Trigeminal Neuralgia

**General objective-**At the end of the session, the learner will be able to understand and describe the clinical manifestations and its management of trigeminal neuralgia.

### **Specific learning objective-**

- 1) Etiology and clinical features
- 2) Management of Trigeminal Neuralgia.



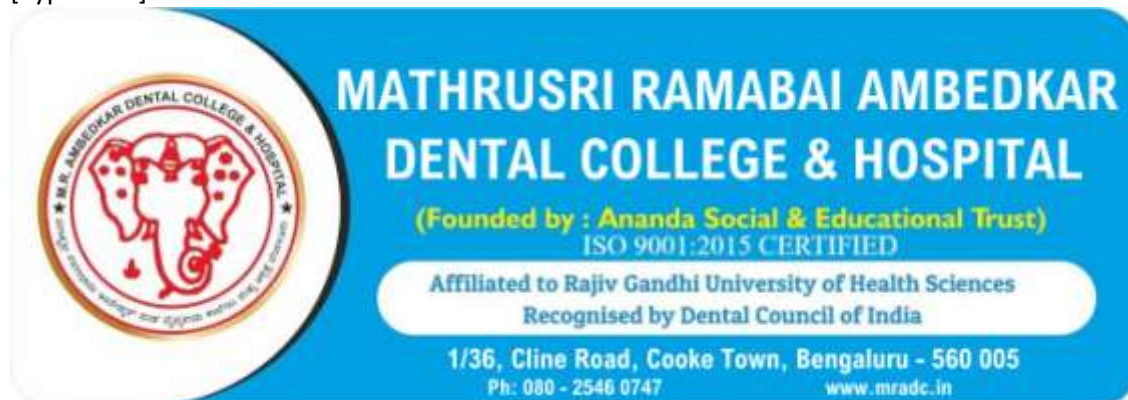
**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Trigeminal Neuralgia.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

Class – 4<sup>th</sup>BDS

Domain-Cognitive

Number of students-65

Time - 1hour

**Topic:** Cervicofacial Lymphadenopathy

**General objective-**At the end of the session, the learner will be able to understand and describe various diseases that causes and leads to cervicofacial lymphadenopathy.



**Specific learning objective-**

- 1)Etiology and clinical features
- 2) Management of Cervicofacial Lymphadenopathy.

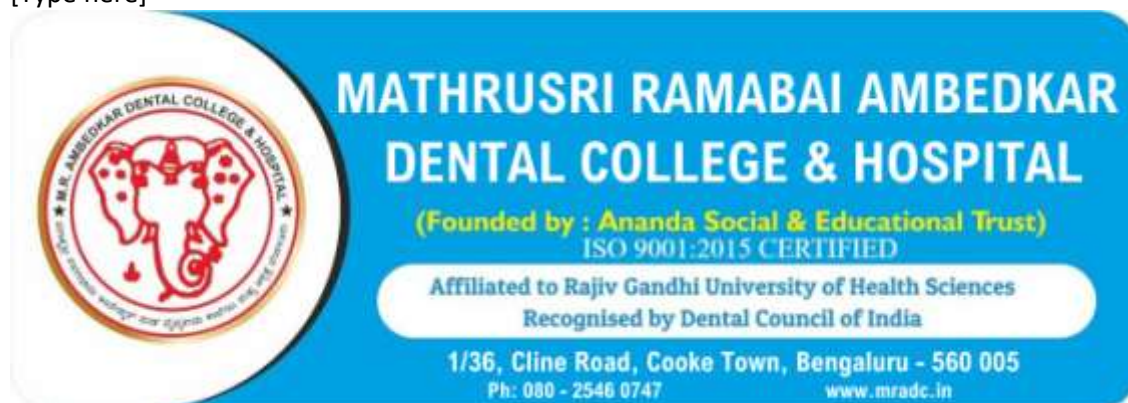
**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Cervicofacial Lymphadenopathy.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

**Class** – 3<sup>rd</sup> BDS

**Domain**-Cognitive

**Number of students**-75

**Time** - 1hour

**Topic:** Endocrine Disorders

**General objective**-At the end of the session, the learner will be able to understand and describe the clinical manifestations and its management of Endocrine Disorders.

### **Specific learning objective-**

- 1) Etiology and clinical features
- 2) Management of Endocrine Disorders.



**Induction time**-30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Endocrine Disorders.	-lecture -AV Aids	Questionnaire	15 min

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**Conclude-** Assignment.



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## Department of Oral Medicine and Radiology

### Lesson plan

Class – 3<sup>rd</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

**Topic:** Nutritional Disorders

**General objective-**At the end of the session, the learner will be able to understand and describe the clinical and oral manifestations and its management of various Nutritional Disorders.

### **Specific learning objective-**

- 1) Etiology and clinical features
- 2) Management of Nutritional Disorders



**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Nutritional Disorders.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

Class – 4<sup>th</sup>BDS

Domain-Cognitive

Number of students-65

Time - 1hour

**Topic:** Medical Emergencies in Dental Office

**General objective-**At the end of the session, the learner will be able to understand and describe the clinical manifestations and its management of various medical emergencies in dental office.

### **Specific learning objective-**

- 1)Etiology and clinical features
- 2) Management of Medical Emergencies in Dental Office.

**Induction time-**30 to 40 min.

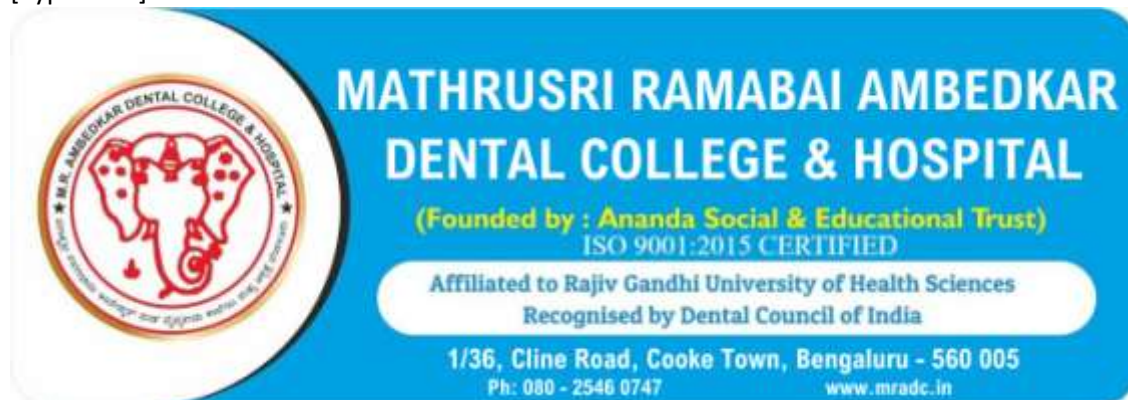


Objective	Method/medium	Assessment	Time
To make the student learn about Medical emergencies in Dental Office .	-lecture -AV Aids	Questionnaire	15 min

**Conclude** - Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

Class – 4<sup>th</sup>BDS

Domain-Cognitive

Number of students-65

Time - 1hour

**Topic:** Oral Candidiasis

**General objective-**At the end of the session, the learner will be able to understand and describe various clinical and oral features of oral candidiasis.

### **Specific learning objective-**

- 1)Etiology and clinical features
- 2) Management of Oral Candidiasis.



**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Oral Candidiasis.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

Class – 4<sup>th</sup> BDS

Domain-Cognitive

Number of students-65

Time - 1 hour

**Topic:** Leukoplakia

**General objective-**At the end of the session, the learner will be able to understand and describe various clinical features of leukoplakia.

### **Specific learning objective-**

- 1) Etiology and clinical features
- 2) Management of Leukoplakia.



**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Oral leukoplakia.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

Class – 4<sup>th</sup> BDS

Domain-Cognitive

Number of students-65

Time - 1hour

**Topic:** Oral Submucous Fibrosis

**General objective-**At the end of the session, the learner will be able to understand and describe various clinical manifestations of Oral Submucous Fibrosis.

### **Specific learning objective-**


- 1) Etiology and clinical features
- 2) Management of OSF.



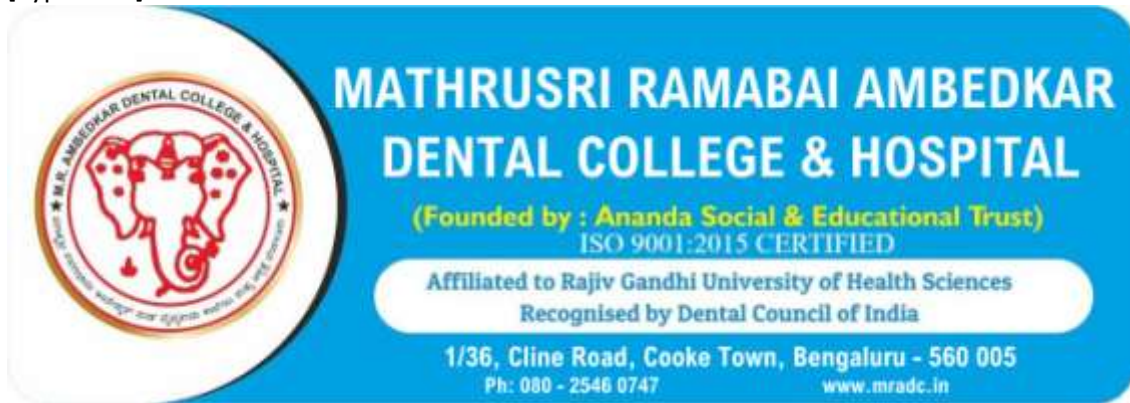
**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Oral submucous Fibrosis.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:**Intraoral Radiographs- IOPAR, Bitewing and Occlusal Radiographs

**General objective-**At the end of the session learner will be able to describe x ray film composition, content of intraoral film packet and the function of each component, sizes of different intraoral radiographic films,types of intraoral periapical radiographs, Indications and Contraindications of each type of intraoral radiography.

### **Specific learning objective-**

1)Terminology


2)X ray film composition, content of intraoral film packet and the function of each component, sizes of different intraoral radiographic films,types of intraoral periapical radiographs, Indications and Contraindications of each type of intraoral radiography.

**Induction time-**30 to 40 min.



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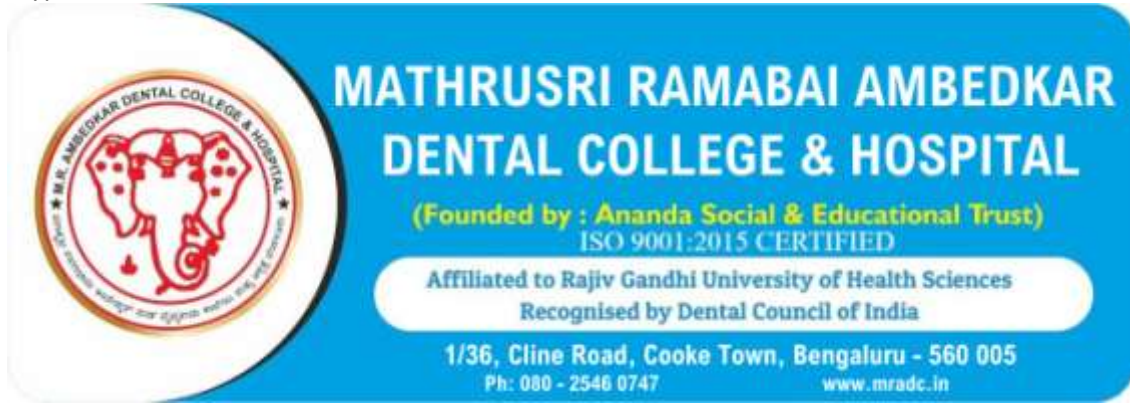
Objective	Method/medium	Assessment	Time
To make the student learn about Intraoral Radiographs- IOPAR, Bitewing and Occlusal Radiographs	-lecture -AV Aids	Questionnaire	15 min



**Conclude-** Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:**Intraoral Radiographic Techniques- Bitewing and Occlusal Radiographic Techniques

**General objective-**At the end of the session learner will be able to describe Bitewing and Occlusal Radiographic Techniques, Principle of each technique, Advantages and Disadvantages of each technique

### **Specific learning objective-**

1)Terminology

2)Types of Bitewing and Occlusal Radiographic techniques,Principle of each technique, Holders used for each Technique, types of bitewing and occlusal radiographic techniques, positioning of intraoral film in each quadrant of the mouth and specific angulations, advantages and disadvantages of each technique

**Induction time-**30 to 40 min.




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Objective	Method/medium	Assessment	Time
To make the student learn about Bitewing and Occlusal Radiographic Techniques	-lecture -AV Aids - Demonstration on student volunteers	Questionnaire	15 min

**Conclude-** Assignment.

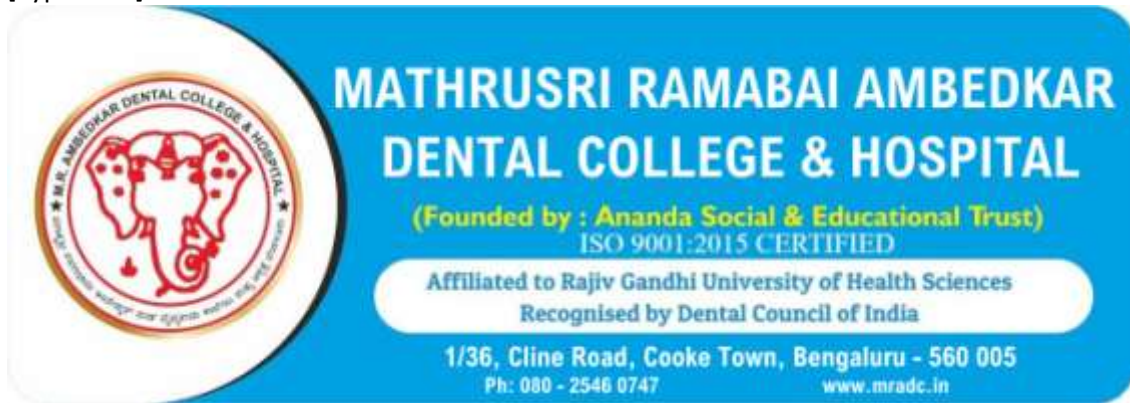


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## Department of Oral Medicine and Radiology

### Lesson plan

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-65**

**Time - 1hour**

**Topic:**Intraoral Periapical Radiographic Techniques- Bisecting Angle Technique and Parallelling Technique

**General objective-**At the end of the session learner will be able to describe types of intraoral periapical radiographic techniques, Principle of each technique, Advantages and Disadvantages of each technique

### **Specific learning objective-**

1)Terminology

2)Types of intraoral techniques,Principle of each technique, used for each Technique, positioning of intraoral film in each quadrant of the mouth and specific angulations, advantages and disadvantages of each technique



Holders


**Induction time-**30 to 40 min.

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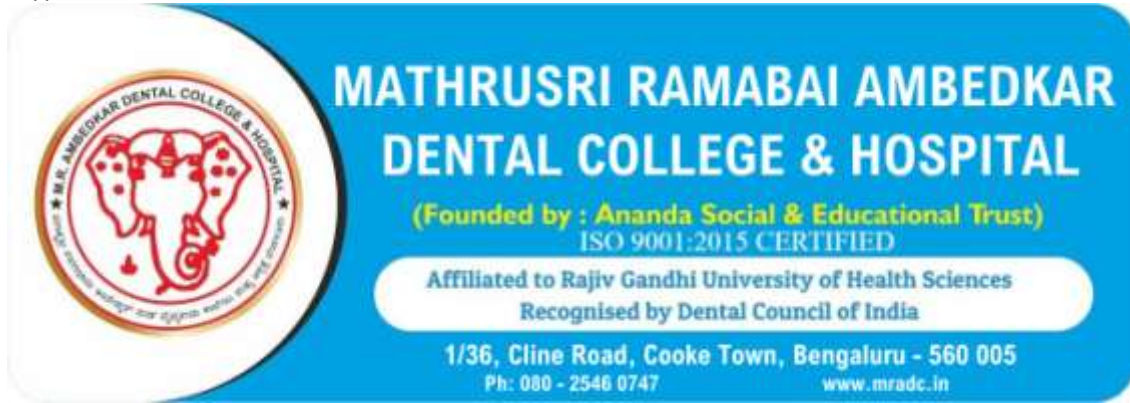
Objective	Method/medium	Assessment	Time
To make the student learn about intraoral radiographic techniques	-lecture -AV Aids - Demonstration on student volunteers	Questionnaire	15 min



**Conclude-** Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

Class - 3<sup>RD</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1hour

**Topic:**Radiographic film Processing, Dark Room and Quality Assurance

**General objective-**At the end of the session learner will be able to describe latent image formation, Types of radiographic film processing, Composition of processing solutions, Replenishing of solutions, Dark room and quality assurance

### **Specific learning objective-**

1)Terminology

2)Latent image formation, Types of radiographic film processing, Composition of processing solutions, Replenishing of solutions, Dark room and its requirements for processing of radiographs. Coin test and quality assurance.

**Induction time-**30 to 40 min.




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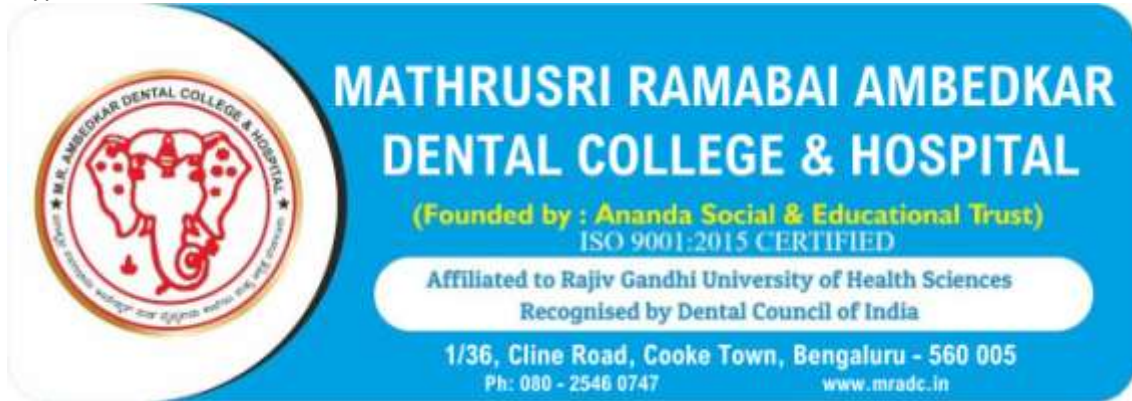
Objective	Method/medium	Assessment	Time
To make the student learn about Radiographic film Processing, Dark Room and Quality Assurance	-lecture -AV Aids	Questionnaire	15 min



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**Conclude-** Assignment.

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**Department of Oral Medicine and Radiology**

**Lesson plan**

**Class - 3<sup>RD</sup> BDS**

**Domain-Cognitive**

**Number of students-75**

**Time - 1hour**

**Topic:Faulty Radiographs**

**General objective-**At the end of the session learner will be able to describe what is an ideal radiograph, faulty radiographs and their causes, Correction of faulty radiographs and conclusion

**Specific learning objective-**

1)Terminology



2)What is an ideal radiograph, Characteristics of an ideal radiograph, faulty radiographs and their causes, Correction of faulty radiographs and conclusion

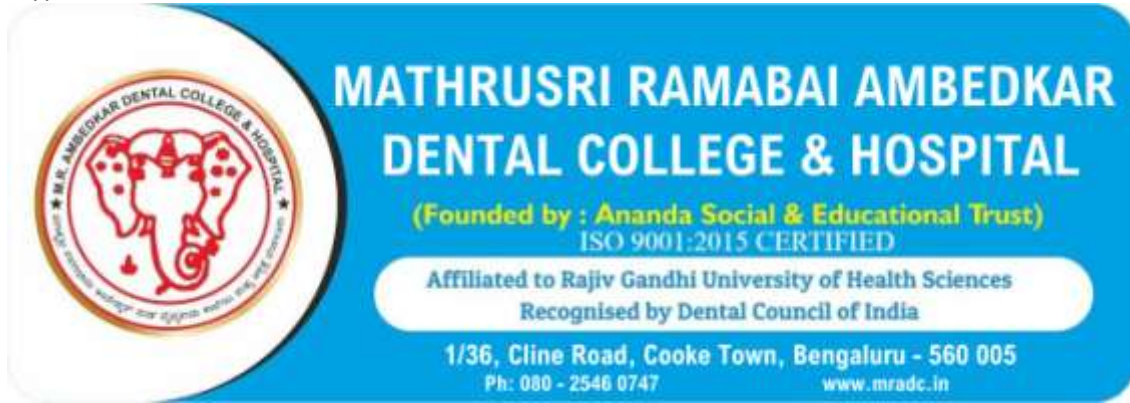
**Induction time-30 to 40 min.**

To make the student learn about faulty radiographs	-lecture -AV Aids	Questionnaire	15 min
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**Conclu  
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## Department of Oral Medicine and Radiology

### Lesson plan

**Class** - 4th BDS

**Domain**-Cognitive

**Number of students**-65

**Time** - 1hour

**Topic**:Tongue Disorders

**General objective**-At the end of the session learner will be able to describe functional anatomy of tongue, classification of tongue disorders, etiology, clinical features and management of the same.

### **Specific learning objective-**

1)Terminology


2)Functional anatomy of tongue, classification of tongue disorders, etiology, clinical features and management of the same.

**Induction time**-30 to 40 min.



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Objective	Method/medium	Assessment	Time
To make the student learn about tongue disorders	-lecture -AV Aids	Questionnaire	15 min

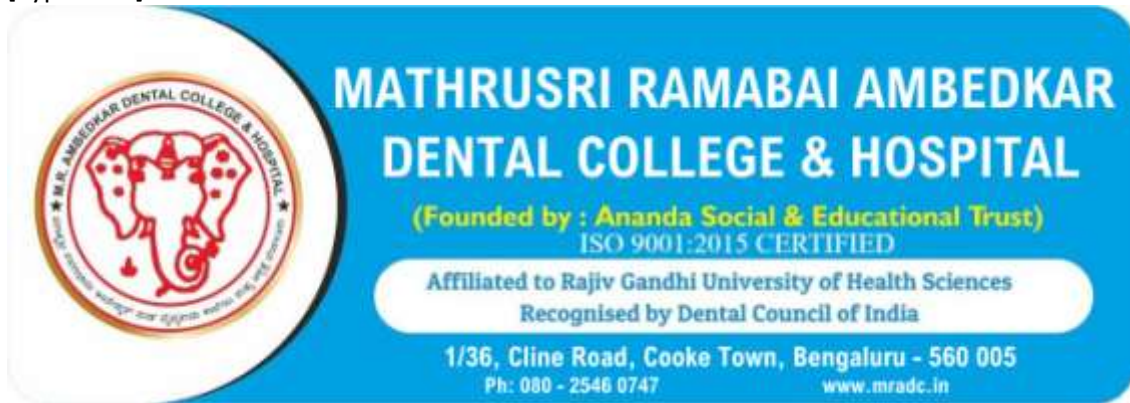


**Conclude-** Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

**Class** - 4th BDS

**Domain**-Cognitive

**Number of students**-65

**Time** - 1hour

**Topic:**Laboratory Investigations in Bleeding and Clotting Disorders

**General objective**-At the end of the session learner will be able to describe what are laboratory investigations, need for investigations, their uses in general and in dentistry, hemostasis, classification of bleeding and clotting disorders, various investigations used to differentiate between bleeding and clotting disorders, conclusion

### **Specific learning objective-**

1)Terminology

2)What are laboratory investigations, need for investigations, their uses in general and in dentistry, hemostasis, classification of bleeding and clotting disorders, various investigations used to differentiate between bleeding and clotting disorders, discussing case scenarios and how to advise relevant laboratory investigations.

**Induction**




**time**-30 to 40 min.

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Objective	Method/medium	Assessment	Time
To make the student learn about Laboratory Investigations of bleeding and clotting disorders	-lecture -AV Aids	Questionnaire	15 min



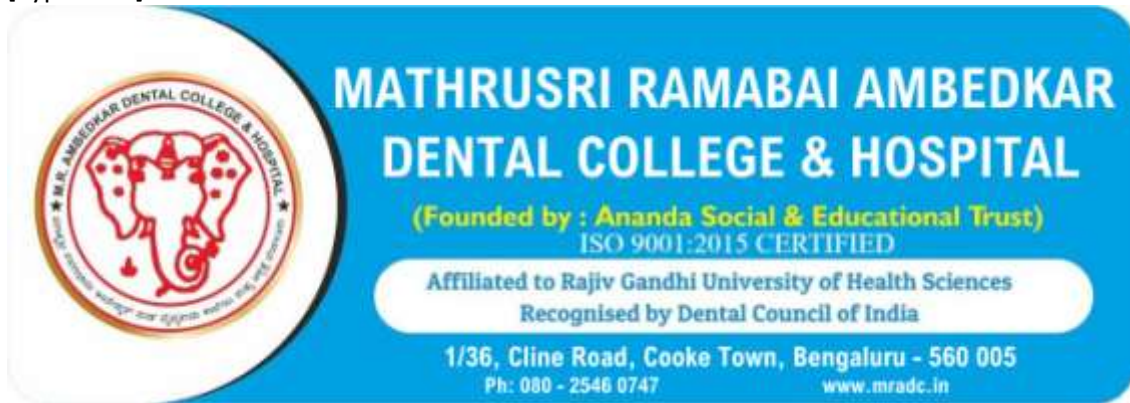
**Conclude-** Assignment.

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## Department of Oral Medicine and Radiology

### Lesson plan

**Class** - 4th BDS

**Domain**-Cognitive

**Number of students**-65

**Date**-6/7/2022

**Time** - 1hour

**Topic**:Forensic Odontology

**General objective**-At the end of the session, learner will be able to describe what is forensic odontology, need for identification, big 4 in forensic science, personal identification, dental age estimation, crime investigation and conclusion

### **Specific learning objective-**

1)Terminology


2)What is forensic odontology, need for identification, big 4 in forensic science, personal identification, dental age estimation, identification of ethnicity and race of an individual in brief, crime investigation (bite marks, lip prints and child abuse) and conclusion

**Induction time**-30 to 40 min.



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Objective	Method/medium	Assessment	Time
To make the student learn about forensic odontology	-lecture -AV Aids	Questionnaire	15 min



**Conclude-** Assignment.

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## Department of Oral Medicine & Radiology

### Lesson plan

Class – 4<sup>th</sup> BDS

Domain-Cognitive

Number of students-65

Time - 1 hour

**Topic:** Temporomandibular Disorders.

**General objective-**At the end of the session learner will be able to classify Temporomandibular disorders, describe the clinical features and radiological features and management/Treatment.

### **Specific learning objective-**

- 1.) Clinical features, Radiographic features,
- 2.) Differential Diagnosis
- 3.) Management and Treatment



**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about TMJ Disorders.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Oral Medicine & Radiology

### Lesson plan

**Class** – 3 rd BDS

**Domain**-Cognitive

**Number of students**-75

**Date**-08/08/22

**Time** - 1hour

### **Topic Pulp and Periapical Diseases.**

**General objective**-At the end of the session learner will be able to classify the sequelae of Pulp and Periapical Diseases, describe the clinical features and radiographic features and management/Treatment of the same.

### **Specific learning objective-**

- 1.) Clinical features, Radiographical features,
- 2.) Differential Diagnosis
- 3.) Management and Treatment



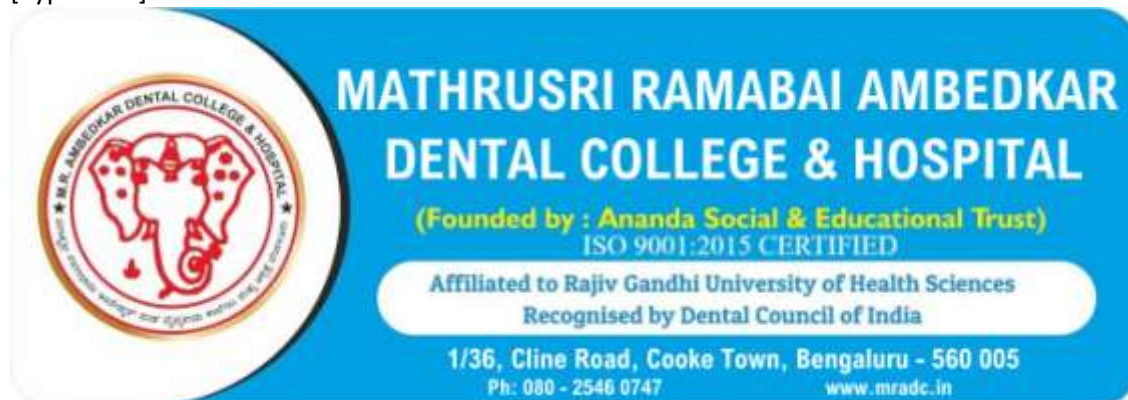
**Induction time**-30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Pulp and Perapical Diseases.	-lecture -AV Aids	Questionnaire	15 min

**Conclude**- Assignment.

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## Department of Oral Medicine & Radiology

### Lesson plan

Class – 4<sup>th</sup> BDS

Domain-Cognitive

Number of students-65

Date-10/02/22



Time - 1 hour

**Topic:** Contrast Radiography

**General objective-**At the end of the session learner will be able to classify Contrast Agents, Technique of using contrast medium, diseases and conditions in which they can be used.

### **Specific learning objective-**

- 1.) Advantages and Disadvantages of contrast agents
- 2.) Various Radio graphical features of salivary gland disorders where contrast radiography can be used ,
- 3.) Technique and extra oral views used in contrast radiography.

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Contrast Radiography.	-lecture -AV Aids	Questionnaire	15 min

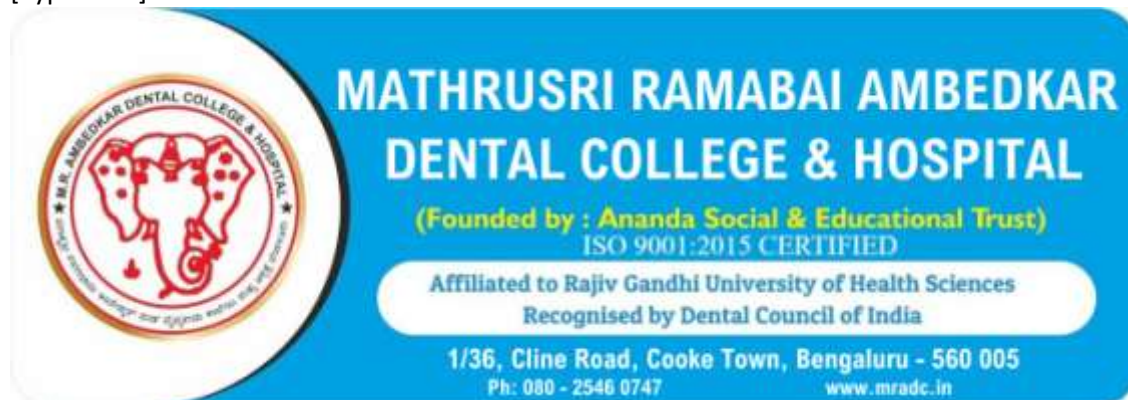
**Conclude-** Assignment.

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**Department of Oral Medicine & Radiology**

**Lesson plan**

**Class – 4<sup>th</sup> BDS**

**Domain-Cognitive**

**Number of students-65**

**Time - 1hour**



**Topic:** Palatal Swellings and Palatal Perforations.

**General objective-**At the end of the session, learner will be able to classify Palatal Swellings and Palatal Perforations, describe the clinical features.

**Specific learning objective-**

- 1.) Classification of the Palatal swellings and Palatal perforations
- 2.) Clinical features
- 3.) Differential Diagnosis

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Palatal swellings and Perforations.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Oral Medicine & Radiology

### Lesson plan

Class – 4<sup>th</sup> BDS

Domain-Cognitive

Number of students-65

Time - 1hour



**Topic:** Specialized Radiography.

**General objective-**At the end of the session, learner will be able to understand various specialized radiographic modalities, Principle, advantages and disadvantages of each one of them.

### **Specific learning objective-**

- 1.) Advantages and Disadvantages of CT, MRI, Ultrasound, Nuclear Medicine
- 2.) Principles
- 3.) Clinical Applications

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about Specialized Radiography.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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**Department of Oral Medicine &Radiology**

**Lesson plan**

**Class – 3<sup>rd</sup> BDS**

**Domain-Cognitive**



**Number of students-75**

**Time - 1hour**

**Topic:** Case History.

**General objective-**At the end of the session, learner will be able to understand the importance of recording the case history of a patient and Treatment planning.

**Specific learning objective-**

- 1.) Clinical features,investigations,
- 2.) Differential Diagnosis
- 3.) Management and Treatment

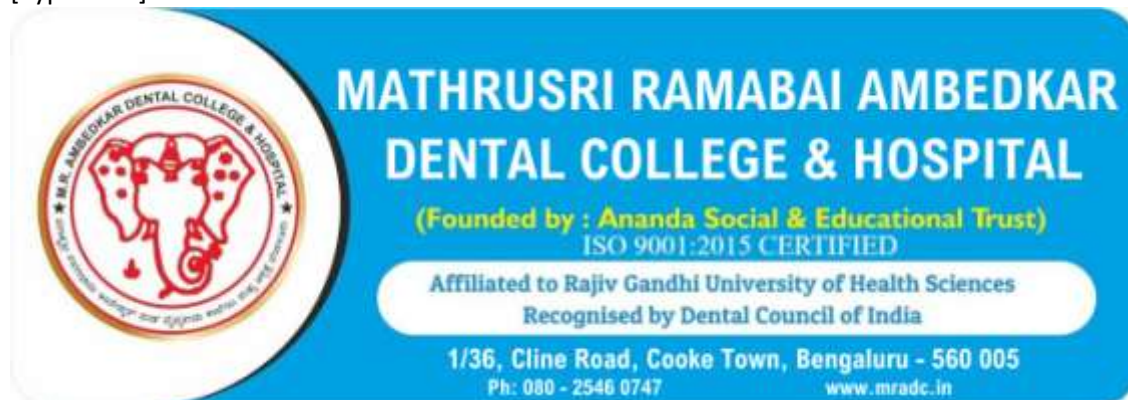
**Induction time-**30 to 40 min.

<b>Objective</b>	<b>Method/medium</b>	<b>Assessment</b>	<b>Time</b>
To make the student learn about Case History.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Oral Medicine & Radiology

### Lesson plan

Class – 3<sup>rd</sup> BDS

Domain-Cognitive



Number of students-75

Time - 1 hour

**Topic:** Radiation Physics

**General objective-**At the end of the session, learner will be able to understand about the x-rays, properties of x-rays, components of x-ray machine and production of x-rays.

### **Specific learning objective-**

- 1.) Properties of x-rays
- 2.) Components of x-ray machine-cathode and anode
- 3.) Production of x-rays through Bremsstrahlung radiation

**Induction time-**30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about x-rays and its properties and its production	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## Department of Oral Medicine & Radiology

### Lesson plan

Class – 3<sup>rd</sup> BDS

Domain-Cognitive

Number of students-75

Time - 1 hour



**Topic:** Radiation Biology

**General objective-**At the end of the session, learner will be able to understand the effects of radiation on living tissues, radiation hazards and radiation protection protocols.

### **Specific learning objective-**

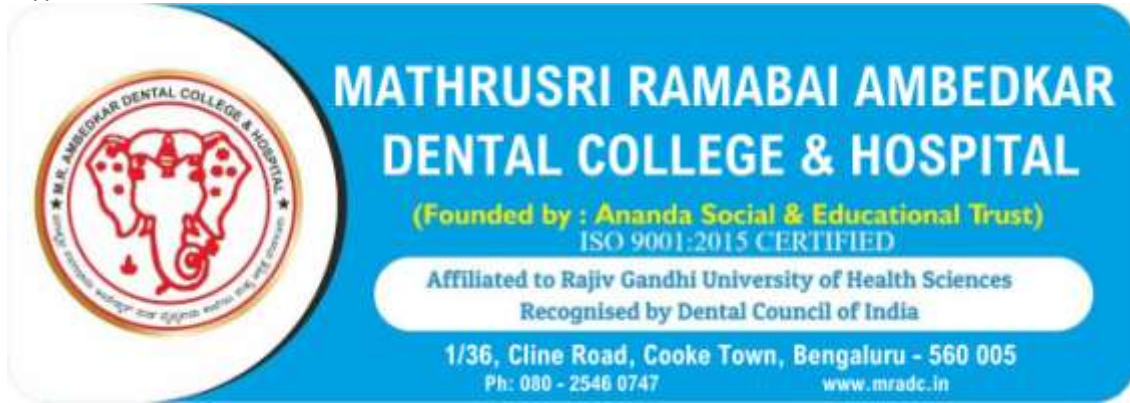
- 1.) Deterministic effects and stochastic effects
- 2.) Direct and indirect effect
- 3.) Radiation protection protocols-protection of patient, operator and surrounding environment .**Induction time**-30 to 40 min.

Objective	Method/medium	Assessment	Time
To make the student learn about the effects of radiation on living tissues, radiation hazards and radiation protection protocols.	-lecture -AV Aids	Questionnaire	15 min

**Conclude-** Assignment.

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## DEPARTMENT OF PERIODONTICS

### LESSON PLAN

#### DOMAIN: COGNITIVE

Class: III BDS –ODD batch
Number of students: 25
Time: 8 am
TOPIC: ALVEOLAR BONE

**General objectives:** At the end of the session the students should be able to describe ALVEOLAR BONE in health and diseases.

#### **Specific learning objectives:**

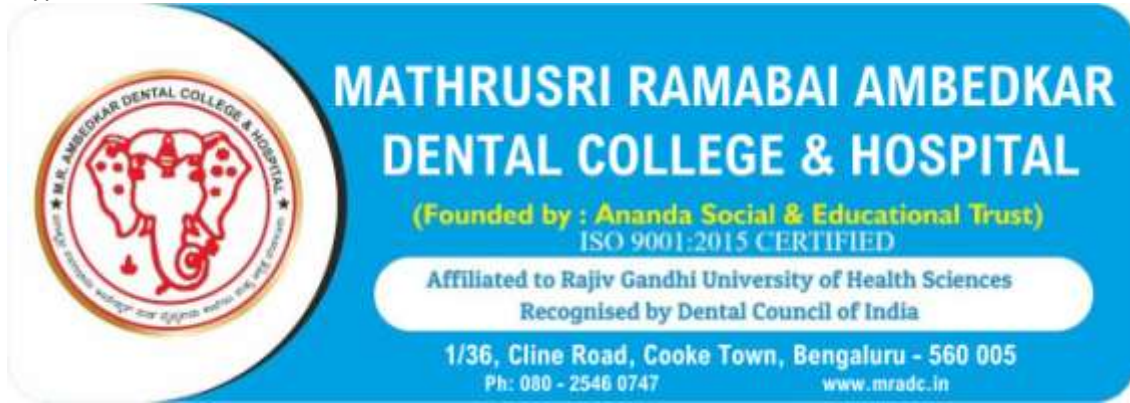
- ✦ Definition and development of alveolar bone
- ✦ Composition
- ✦ Parts of alveolar bone
- ✦ Functions and Blood supply & lymphatic drainage
- ✦ Age related changes of alveolar bone

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## DEPARTMENT OF PERIODONTICS

### LESSON PLAN DOMAIN: COGNITIVE

Class: III BDS
Number of students: 30
Date:
Time: 8 am-9 am.
TOPIC: calculus

General objectives: at the end of the session the students should be able to describe role of plaque & calculus in the pathogenesis of periodontal disease.

Specific learning objectives:


1. Define calculus
2. Classification of calculus
3. Theories of calculus formation.

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Objective	Method	Assessment	Time
Definition	Lecture using board and marker	Recall	5 minutes
Classification of calculus	Lecture using power point presentation in which pictures are incorporated	MCQs, Hand outs	10 minutes
Theories of calculus formation	Lecture with power point presentation showing some clinical pictures. Use of some models	Questions and answers	5 minutes
Summarise			5 minutes


Set induction: By asking the students classification of calculus. (5 minutes)

P.R.P. P

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**DEPARTMENT OF PERIODONTICS  
LESSON PLAN**



**DOMAIN: COGNITIVE**

Class: III BDS
Number of students: 30
Date:
Time: 8 am-9 am.
TOPIC: calculus

General objectives: at the end of the session the students should be able to describe the importance cementum.

Specific learning objectives:

1. Define cementum
2. Classification of cementum
3. Cemento enamel junction

Set induction: By asking the students classification of calculus. (5 minutes)


Objective	Method	Assessment	Time
Definition	Lecture using board and marker	Recall <i>P.R.P.L.P</i>	5 minutes
Classification of cementum	Lecture using power point presentation in which pictures are incorporated	MOQs, Hand outs	10 minutes
Importance of cementum.	Lecture with power point presentation showing some clinical pictures. Use of some models	Questions and answers	5 minutes
Summarise		<i>P.R.P.L.P</i>	5 minutes

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## LESSON PLAN

### DOMAIN: COGNITIVE

Class: IV BDS
Number of students: 25
Date:
Time:
TOPIC: classification of periodontal diseases

General objectives: at the end of the session the students should be able to describe the different types of periodontal diseases

Specific learning objectives:

1. Enumerate various types of periodontal diseases
2. Differentiate between gingivitis and Periodontitis
3. Differentiate between chronic and aggressive Periodontitis
4. Describe features of chronic Periodontitis

5. Describe features of aggressive periodontitis

Set induction: by questioning students about classification of various living organisms and why classifications are important (5 minutes)

Objective	Method	Assessment	Time
Definition of classification	Lecture using board and marker	Recall	5 minutes
Various classifications of periodontal diseases	Lecture using power point presentation	Questions and answers	10 minutes
AAP 1999 classification	Lecture with power point presentation	Questions and answers	15 minutes
Features of chronic and aggressive periodontitis	Lecture using power point presentation in which pictures are incorporated	MCQs Hand outs	20 minutes
Summarise			5 minutes




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**DEPARTMENT OF PERIODONTICS**

**LESSON PLAN**

**DOMAIN: COGNITIVE**

Class: IV BDS
Number of students: 25
Date:
Time:
TOPIC: Treatment plan

General objectives: at the end of the session the students should be able to describe various phases of periodontal treatment

Specific learning objectives:

1. Enumerate various phases of periodontal therapy
2. Explain the sequence and significance of each phase


Set induction: by questioning students about periodontal treatment modalities (5 minutes)

Objective	Method	Assessment	Time
Phases of periodontal therapy	Lecture using board and marker	Recall	5 minutes
Significance of each phase	Lecture using power point presentation	Questions and answers	10 minutes
Summarise			5 minutes



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**DEPARTMENT OF PERIODONTICS  
LESSON PLAN**

**DOMAIN: COGNITIVE**

Class: THIRD YEAR BDS
Number of students:
Date:
Time:
TOPIC: Defense mechanisms of gingiva

General objectives: At the end of the session the students should be able to describe Defense mechanisms of gingiva.

Specific learning objectives:

1. GCF – Composition, Methods of collection, Functions & significance
2. Saliva- Composition and function.
- 3.
4. GCF and Saliva as a biomarker in diagnosis and treatment of Gingival and periodontal diseases

Set induction: By asking the students to describe the Composition and functions of Saliva and GCF.



Objective	Method	Assessment	Time
GCF	Lecture using board and marker	Recall	20 minutes
Saliva	Lecture using power point presentation in which pictures are incorporated.	MCQs Hand outs	10 minutes
GCF and Saliva as a biomarker	Lecture with power point presentation. Use of standard articles.	Questions and answers	15 minutes
Summarise			5 minutes

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**DEPARTMENT OF PERIODONTICS**

**LESSON PLAN**  
**DOMAIN: COGNITIVE**

Class: III BDS
Number of students: 30
Date:
Time: 8 am-9 am.
TOPIC: Dental plaque

General objectives: at the end of the session the students should be able to describe role of plaque in the pathogenesis of periodontal disease.

Specific learning objectives:

1. Define dental plaque
2. Formation of plaque
3. Describe various complex.



Set induction: By asking the students classification of plaque. (5 minutes)

Objective	Method	Assessment	Time
Definition	Lecture using board and marker	Recall	5 minutes
Classification of plaque	Lecture using power point presentation in which pictures are incorporated	MCQs, Hand outs	10 minutes
Formation of plaque	Lecture with power point presentation showing some clinical pictures. Use of some models	Questions and answers	5 minutes
Summarise			5 minutes

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## DEPARTMENT OF PERIODONTICS

### LESSON PLAN

#### DOMAIN: COGNITIVE

Class: III BDS
Number of students: 25
Date:
Time: 8 am
TOPIC: Desquamative Gingivitis

General objectives: at the end of the session the students should be able to describe concept of host modulation and use of host modulation therapy for treatment of periodontal diseases



Specific learning objectives:

1. Explain the significance of host responses in periodontal disease pathogenesis

Explain the concept of host modulation

1. Enumerate various host modulation therapies for periodontal disease treatment

Set induction: by questioning students about treatment of periodontal diseases using magic bullets (5 minutes)

Objective	Method	Assessment	Time
Host responses	Lecture using board and marker	Recall	5 minutes
Concept of host modulation	Lecture using board and marker	Questions and answers	10 minutes
Host modulation therapy	Lecture with power point presentation showing flow charts	Hand outs	15 minutes
Summarise			5 minutes

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## **DEPARTMENT OF PERIODONTICS**

### **LESSON PLAN**

#### **DOMAIN: COGNITIVE**

Class: IV BDS
Number of students: 25
Date:
Time: 8 am
TOPIC: GENETICS IN PERIODONTAL DISEASES

General objectives: At the end of the session the students should be able to describe role of Genetics in Gingival & Periodontal diseases

Specific learning objectives:

1. Define genetics & various terminologies
- 2.
3. Describe the genetic study designs
4. Describe various genetic polymorphisms

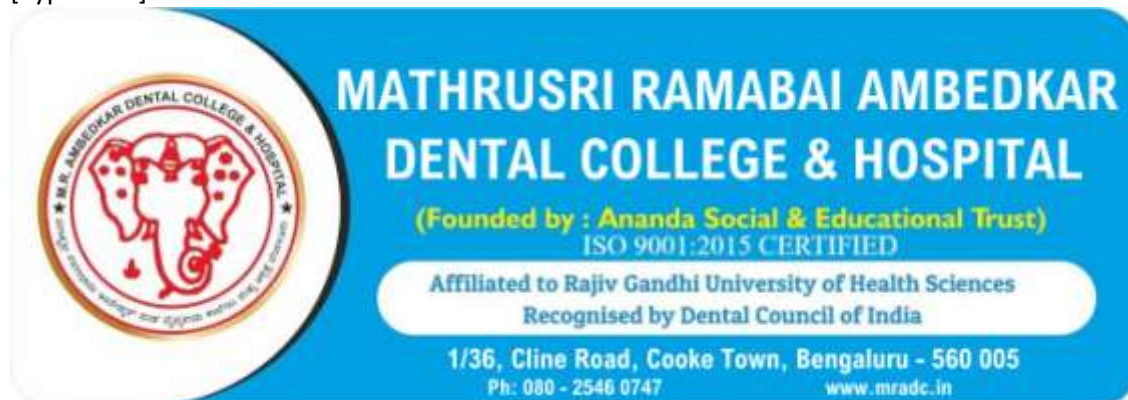


Set induction: by questioning students about various clinical features of periodontal diseases (5 minutes)

Objective	Method	Assessment	Time
Definition of classification	Lecture using board and marker	Recall	5 minutes
Various Genetic Study Designs	Lecture using power point presentation	Questions and answers	10 minutes
Genetic Polymorphisms	Lecture with power point presentation	Questions and answers	15 minutes
Methods of gingival soft tissue grafting	Lecture using power point presentation in which pictures are incorporated	MCQs Hand outs	20 minutes
Summarise			5 minutes

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**DEPARTMENT OF PERIODONTICS**

**LESSON PLAN**  
**DOMAIN: COGNITIVE**

Class: III BDS
Number of students: 30
Date:
Time:
TOPIC: ANATOMY OF GINGIVA

General objectives: at the end of the session the students should be able to describe anatomical features of gingiva

Specific learning objectives:

1. Define gingiva
2. Enumerate parts of gingiva
3. Describe significance of gingival sulcus



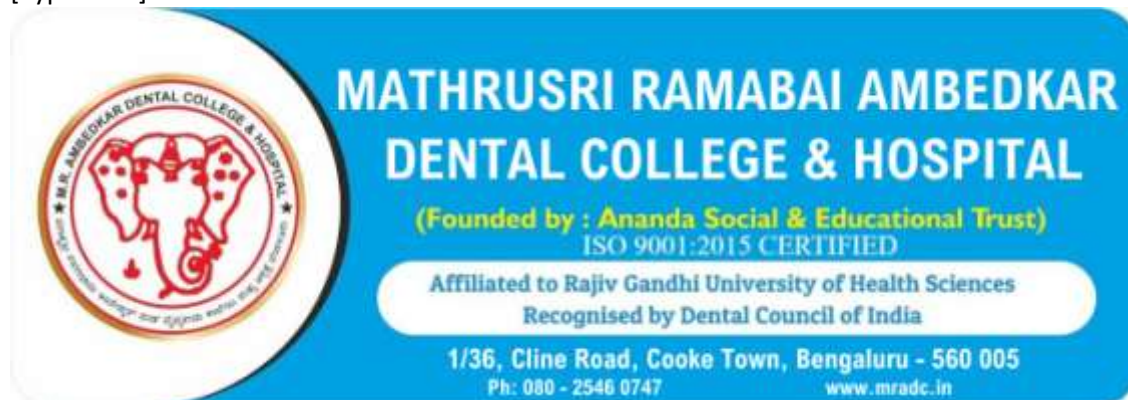
Set induction: By asking the students to describe parts of the oral cavity (5 minutes)

Objective	Method	Assessment	Time
Definition	Lecture using board and marker	Recall	5 minutes
Parts of gingiva	Lecture using power point presentation in which pictures are incorporated	MCQs, Hand outs	10 minutes
Gingival sulcus	Lecture with power point presentation showing some clinical pictures. Use of some models	Questions and answers	5 minutes
Summarise			5 minutes

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## DEPARTMENT OF PERIODONTICS

### LESSON PLAN

#### DOMAIN: COGNITIVE

Class: IV BDS
Number of students: 25
Date:
Time:
TOPIC: GINGIVAL RECESSION

General objectives: at the end of the session the students should be able to describe gingival recession, its etiology, classification and treatment

Specific learning objectives:

1. Define gingival recession
2. Enumerate etiology of gingival recession
3. Describe the types of gingival recession
4. Name various treatment methods for gingival recession
5. Describe various methods of root coverage



Set induction: by questioning students about various clinical features of periodontal diseases (5 minutes)

Objective	Method	Assessment	Time
Definition of classification	Lecture using board and marker	Recall	5 minutes
Etiology of gingival recession	Lecture using power point presentation	Questions and answers	10 minutes
Treatment methods of gingival recession	Lecture with power point presentation	Questions and answers	15 minutes
Methods of gingival soft tissue grafting	Lecture using power point presentation in which pictures are incorporated	MCQs Hand outs	20 minutes
Summarise		<i>P.R.P. P</i>	5 minutes

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**DEPARTMENT OF PERIODONTICS**  
**LESSON PLAN**

**DOMAIN:**

Class: IV BDS
Number of students: 30
Date:
Time:
<b>TOPIC: GINGIVECTOMY &amp; CURETTAGE</b>

General objectives: at the end of the session the students should be able to describe in detail about gingivectomy & curettage



Specific learning objectives:

- Define gingivectomy
- Types of Gingivectomy, surgical Gingivectomy in detail
- Describe curettage

Set induction:

Objective	Method	Assessment	Time
Definition	Lecture using board and marker	Recall	5 minutes
Types	Lecture using power point presentation in which pictures are incorporated	MCQs Hand outs	10 minutes

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**DEPARTMENT OF PERIODONTICS**  
**LESSON PLAN**

**DOMAIN: COGNITIVE**

Class: THIRD YEAR BDS
Number of students:
Date:
Time: 8.00 AM
TOPIC: Halitosis

General objectives: At the end of the session the students should be able to describe Halitosis.

Specific learning objectives:

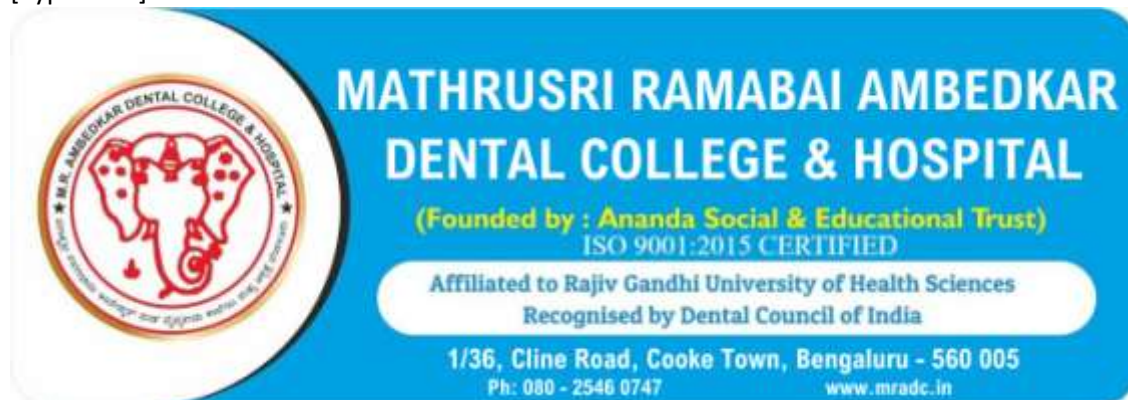
1. Definition
2. Etiologic factors
3. Classification
4. Management
5. Set induction: By asking the students to describe the Halitosis (5 minutes)
- 6.



Objective	Method	Assessment	Time
Definition	Lecture using board and marker	Recall	5 minutes
Etiologic factors	Lecture using power point presentation in which pictures are incorporated.	MCQs Hand outs	10 minutes
Classification	Lecture using power point presentation	Questions and answers	5 minutes
Management	Lecture with power point presentation Use of standard articles.	Questions and answers	5 minutes
Summarise			5 minutes

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## DEPARTMENT OF PERIODONTICS

### LESSON PLAN

#### DOMAIN: COGNITIVE

Class: IV BDS
Number of students:
Date:
Time:
TOPIC: host modulation therapy

General objectives: at the end of the session the students should be able to describe concept of host modulation and use of host modulation therapy for treatment of periodontal diseases

Specific learning objectives:

1. Explain the significance of host responses in periodontal disease pathogenesis
2. Explain the concept of host modulation
3. Enumerate various host modulation therapies for periodontal disease treatment
4. Set induction: by questioning students about treatment of periodontal diseases using magic bullets (5 minutes)



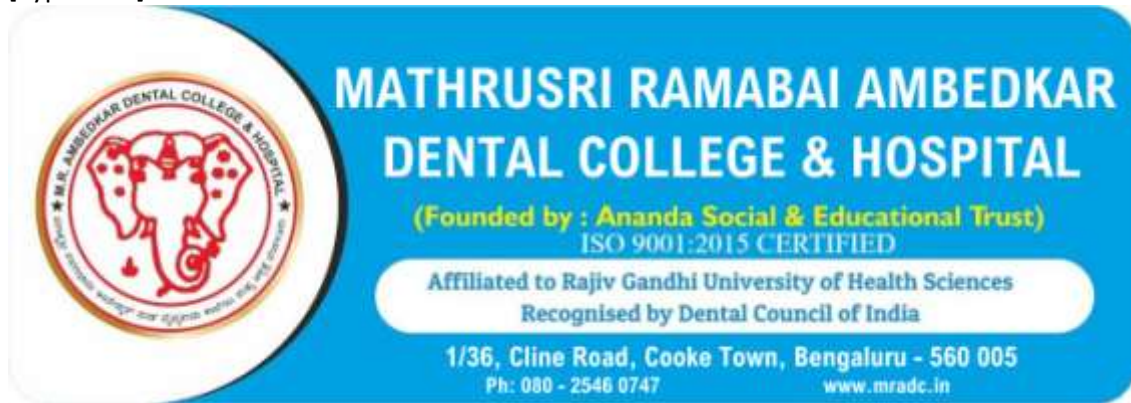
Objective	Method	Assessment	Time
Host responses	Lecture using board and marker	Recall	5 minutes
Concept of host modulation	Lecture using board and marker	Questions and answers	10 minutes
Host modulation therapy	Lecture with power point presentation showing flow charts	Hand outs	15 minutes
Summarise			5 minutes

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**DEPARTMENT OF PERIODONTICS**  
**LESSON PLAN**

**DOMAIN: COGNITIVE**

Class: III BDS
Number of students: 30
Date: 08/02/21
Time: 1-1.30 pm
TOPIC: GINGIVAL ENLARGEMENT

General objectives: at the end of the session the students should be able to describe risk assessment.

Specific learning objectives:

What is Classify gingival enlargement?

3. Name the drugs which causes gingival enlargement?

Set induction: By asking the students to describe categories of risk elements (5 minutes)



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Objective	Method	Assessment	Time
Classification of Gingival Enlargement	Lecture using board and marker	Recall	5 minutes
Pathogenesis of Gingival Enlargement	Lecture using power point presentation in which pictures are incorporated	MCQs Hand outs	10 minutes
Treatment of Gingival Enlargement	Lecture with power point presentation showing some clinical pictures.	Questions and answers	5 minutes



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**DEPARTMENT OF PERIODONTICS**

**LESSON PLAN**  
**DOMAIN: COGNITIVE**

Class: IV BDS
Number of students:
Date:
Time:
TOPIC: PERIODONTAL DRESSING

General objectives: at the end of the session the students should be able to describe periodontal dressing.

Specific learning objectives:

1. What is periodontal dressing

Explain advantages and disadvantages of periodontal dressing

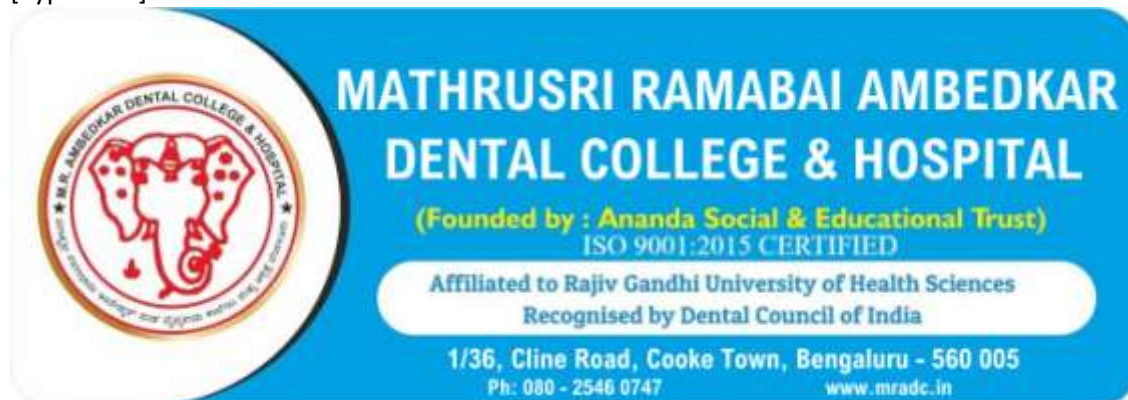
4. Different types of periodontal dressings



Set induction: By asking the students to describe periodontal dressings (5 minutes)

Objective	Method	Assessment	Time
Explain periodontal dressing	Lecture using board and marker	Recall	5 minutes
Advantages and disadvantages	Lecture using power point presentation in which pictures are incorporated	MCQs Hand outs	10 minutes
Different types of periodontal dressing	Lecture with power point presentation showing some clinical pictures.	Questions and answers	5 minutes
Summarise			5 minutes

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**DEPARTMENT OF PERIODONTICS**  
**LESSON PLAN**

**DOMAIN: COGNITIVE**

CLASS: FINAL YEAR BDS
TOPIC: PERIODONTAL POCKET
FACULTY : Dr. JAYANTHI D

General objectives: at the end of the session the students should be able to describe periodontal pocket.

Specific learning objectives:

1. Introduction
2. Theories of pocket formation
3. Management



Set induction: By asking the students to describe the pathogenesis of periodontal pocket.(5 minute

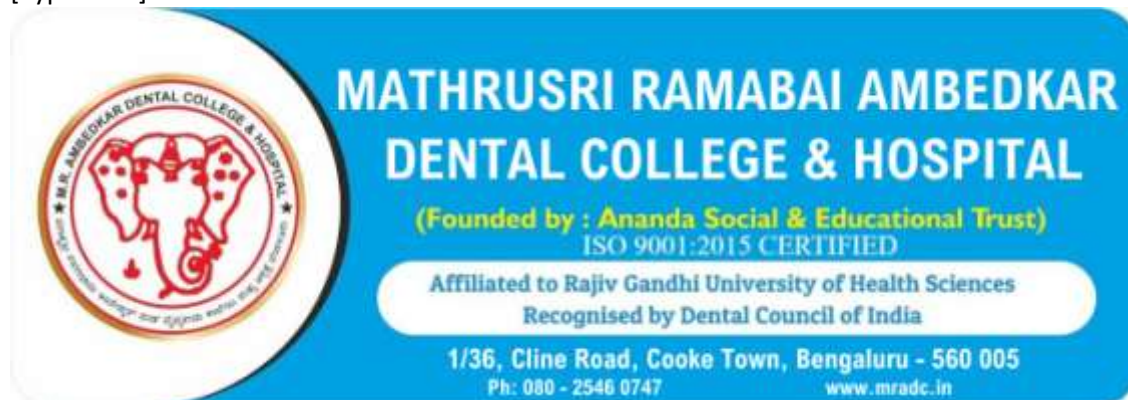
Introduction	Lecture using board and marker	Recall	5 minutes
Theories of pocket formation	Lecture using power point presentation in which pictures are incorporated.	MCQs Hand outs	10 minutes
Management	Lecture with power point presentation. Use of standard articles.	Questions and answers	5 minutes
Summarise			5 minutes

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## DEPARTMENT OF PERIODONTICS

### LESSON PLAN

**DOMAIN: Cognitive**

Class: IV BDS
Number of students:
Date:
Time:
TOPIC: GENERAL PRINCIPAL OF PERIODONTAL THERAPY

General objectives: at the end of the session the students should be able to describe in detail about principal of periodontal therapy

Specific learning objectives:

- Enumerate the principle of periodontal therapy
- Describe periodontal dressing
- Describe the methods to prevents transmission of infections
- 
- Set induction:



Objective	Method	Assessment	Time
Principle of periodontal therapy	Lecture using board and marker	Recall	10 minutes
Scaling and root planning	Lecture using power point presentation in which pictures are incorporated	MCQs Hand outs	5 minutes
Management of tissue	Lecture with power point presentation showing some clinical pictures	Questions and answers	5 minutes


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**Viva cards**

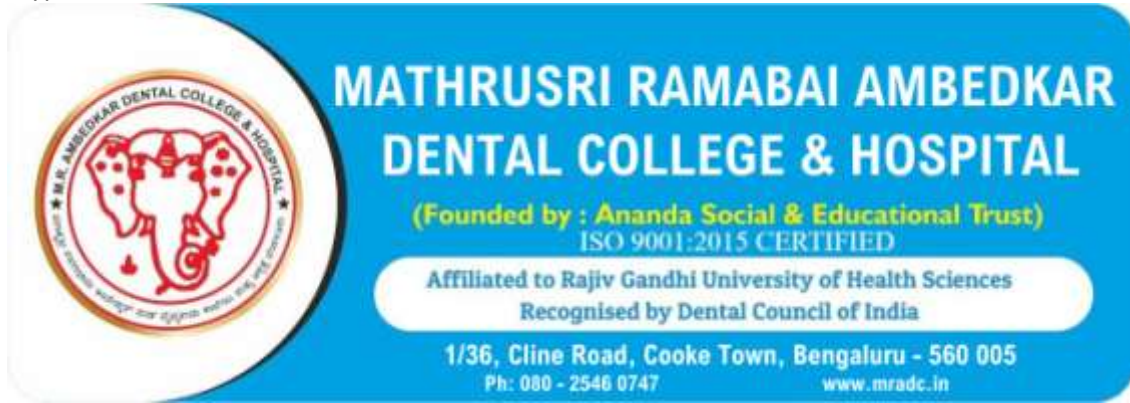


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## Department of Oral Pathology

### Bone and Joint Diseases

1. What is brittle bone disease & types
2. Clinical features of cleidocranial dysplasia
3. What is marble bone disease & their types
4. What is leontiasis ossea
5. What is osteoporosis circumscripta
6. Where do you see Jigsaw puzzle or mosaic appearance
7. Where do you see Cottonwool appearance
8. Where do you see perivascular cuffing histopathologically
9. Which condition there is “eyes upturned to heaven” appearance
10. Which gene is responsible for Fibrous dysplasia
11. What is the classic radiographic feature of fibrous dysplasia
12. What is Mccune-Albright syndrome
13. What is Jaffe`s Lichtenstein syndrome
14. What are Café-au-lait spots
15. What is psammomatoid ossifying fibroma
16. What is Ankylosis
18. What is Cleidocranial dysplasia
19. Clinical features of Down`s syndrome

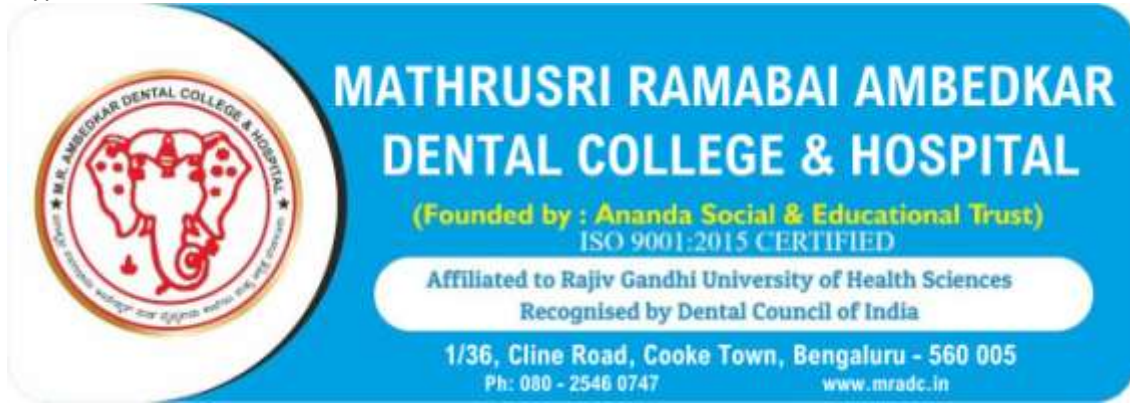


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## Department of Oral Pathology

### Cysts of Orofacial region

1. Define cyst
2. Give example for Inflammatory cysts
3. Cholesterol clefts
4. Radiological types of Dentigerous cyst
5. Give example for Developmental cysts
6. What is eruption cyst
7. Histopathology of Dentigerous cyst
8. Pathogenesis of Radicular cyst
9. What is Lateral Periodontal Cyst
10. Nevroid basal cell carcinoma Syndrome
11. Daughter cysts
12. Bohns nodules
13. Epstein pearls
14. Ghost cell
15. Histopathology of Radicular cyst
16. What is Aneurysmal bone cyst
17. Types of Mucocele
18. What is Ranula
19. Pathogenesis of Dentigerous cyst
20. Botryoid odontogenic cyst

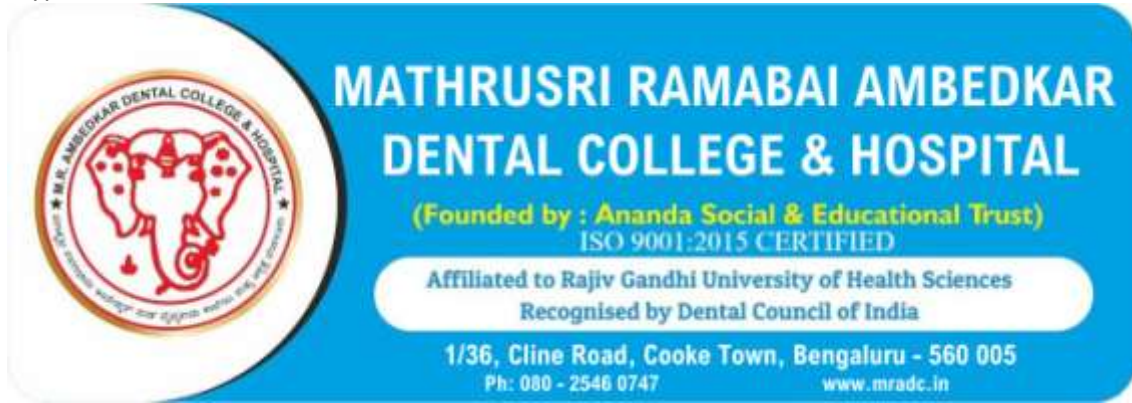


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## Department of Oral Pathology

### Dental caries

1. Name theories of dental caries
2. Enumerate proteolytic chelation theory
3. Stephens curve
4. Role of Saliva in dental caries
5. Radiographic diagnosis of dental caries
6. Name caries activity tests
7. Zones of enamel caries
8. Zones of dentinal caries
9. Name early childhood caries
10. Name micro organism causing dental caries

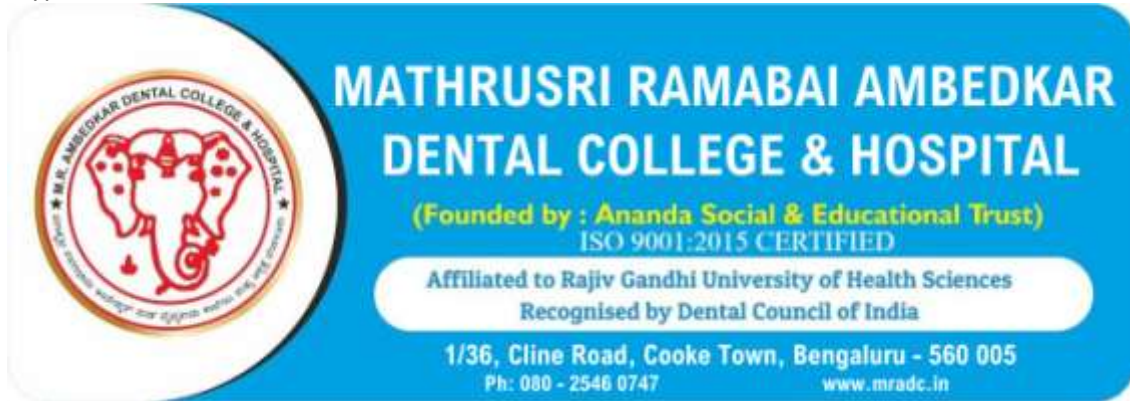


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## Department of Oral Pathology

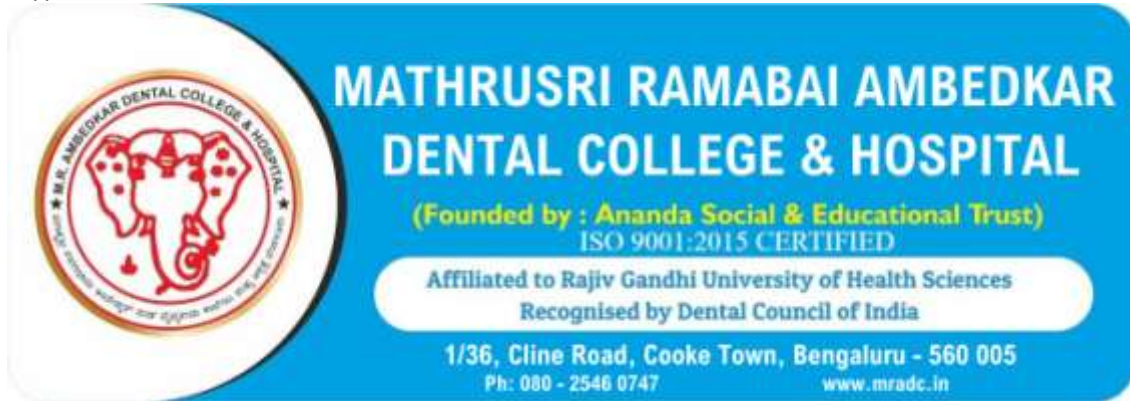
### Diseases of skin

- 1.) Pathogenesis of lichen planus
- 2.) Clinical forms of lichen planus
- 3.) Auspitz's sign
- 4.) Monros Abscess
- 5.) Malar rashes
- 6.) Le cells
- 7.) Nikolsky sign
- 8.) Tzanck cells
- 9.) Bulls eye
- 10.) Stevens Johnson syndrome
- 11.) Difference between bullous and cicatricial pemphigoid
- 12.) Corps, ronds and grains
- 13.) Clinical features of ectodermal dysplasia
- 14.) Ehlers danlos syndrome
- 15.) What is scleroderma
- 16.) White sponge nevus
- 17.) Pathogenesis of bullous pemphigoid
- 18.) Fish net pattern
- 19.) Civatte bodies 20.) differential diagnosis for pemphigus



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## Dental Anatomy and Dental Histology

### Dentin

- 1.) Composition of dentin
- 2.) Why DEJ is scalloped
- 3.) Structure of dentinal tubules
- 4.) Pre-dentin
- 5.) What are von korfs fibres
- 6.) Types of primary dentin
- 7.) Hypocalcified structures of dentin
- 8.) Contour lines of Owen
- 9.) Difference between intratubular and intertubular dentin
- 10.) Interglobular dentin
- 11.) Theories of dentin hypersensitivity
- 12.) What is secondary dentin
- 13.) Tertiary dentin
- 14.) Tomes granular layer
- 15.) Patterns of mineralization
- 16.) Dentinogenesis
- 17.) Genes involved in dentinogenesis
- 18.) Sclerotic dentin
- 19.) Dead tracts 20.) What is the difference between mantle and circumpulpal dentin

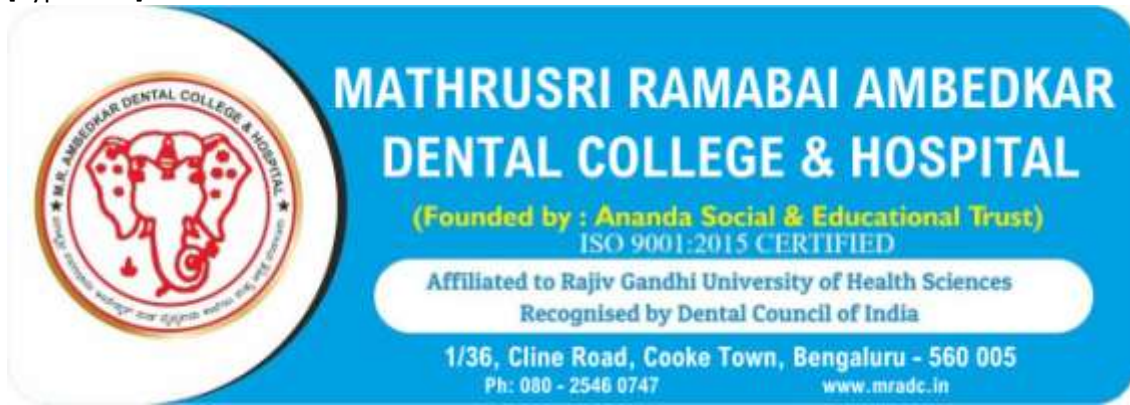


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## Department of Orthodontics

### General Principles and Concepts of Growth

1. Define growth and development. Mention the various theories of growth and write in detail functional matrix hypothesis.
2. Define growth and enumerate various theories of bone growth.
3. Enumerate the various methods of measuring growth.
4. Define growth. Discuss briefly clinical application of knowledge of growth and development in orthodontics.
5. Enumerate the various theories of growth.
6. Enumerate various theories of growth. Describe functional matrix theory of Moss.
7. Enumerate theories of bone growth.
8. What are the methods of measuring growth? Discuss the importance of the knowledge of growth and development in orthodontics.
9. Growth spurts.
10. Methods of gathering growth data.
11. Discuss drift and displacement with examples.
12. Functional matrix theory.
13. Neurotrophism.
14. Scammon's curve.
15. Safety valve mechanism.
16. Endochondral and intramembranous bone formation.
17. Growth site versus growth centre.
18. Expanding V principle.
19. Growth spurts and two clinical importances.
20. Pubertal growth spurts.

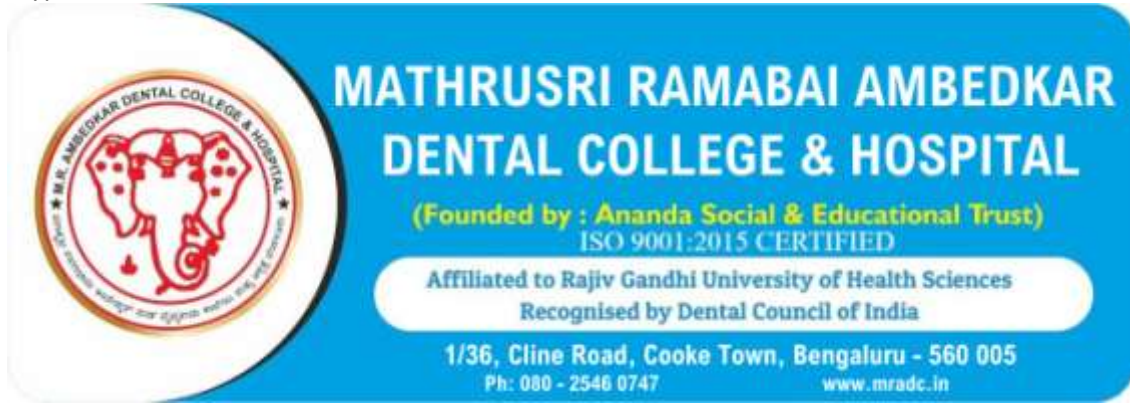


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## Introduction to Orthodontics

1. Define orthodontics. Describe aims and science of orthodontics.
2. What is orthodontia? Describe the various sequelae of malocclusion of teeth.
3. Describe briefly the aims, objectives, scope and limitations of orthodontic treatment.
4. Objectives of orthodontics.
5. Aims of orthodontics.
6. Jackson's triad.
7. Define interceptive and preventive orthodontics.
8. Define orthodontics.
9. Adult orthodontics.
10. Contributions of E.H. Angle to orthodontics.
11. Aims and scope of orthodontics.
12. Describe Andrew Jackson's triad.
13. Give the BSSO definition of orthodontics.



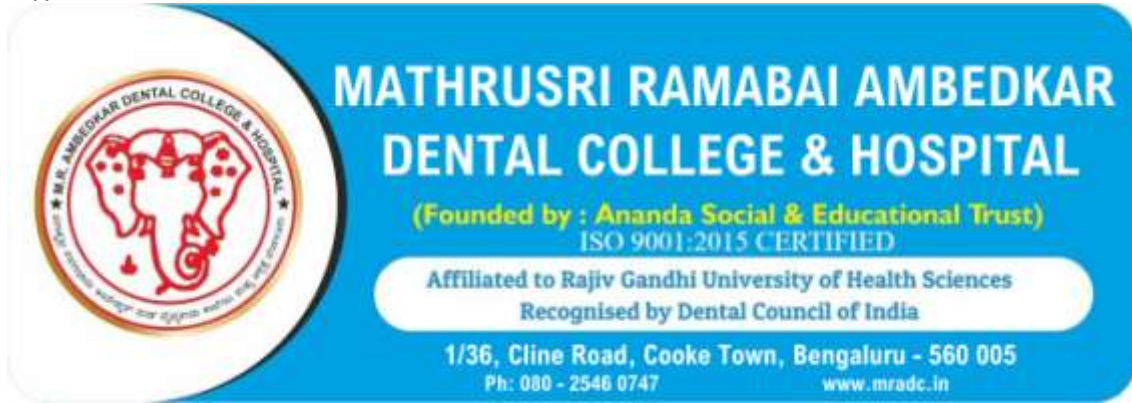
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## Department of Prosthodontics

1. Psychological evaluation of patient (C/H) (House's classification)

2. Curve of spee

3. Virginia bridge

4. Die systems

5. What/Define surveying

6. Classification of soft palate

7. Freeway space

8. Chemicomechanical methods of gingival retraction

9. Indication and contraindication of FPD

10. Horse shoe major connector

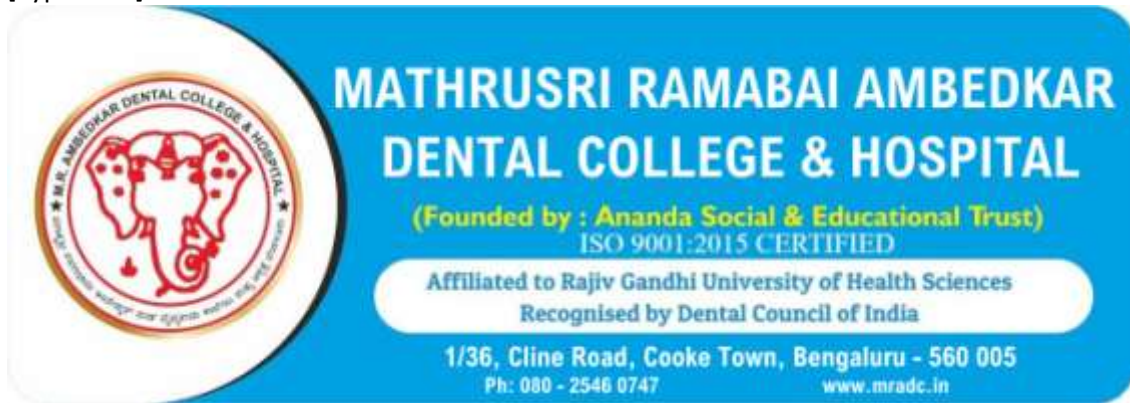


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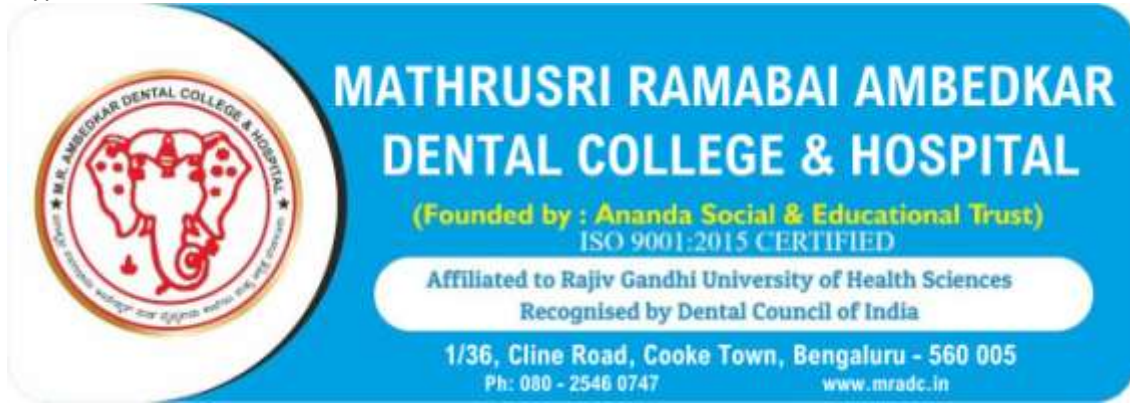
## PROSTHODONTICS

1. Parts of CD
2. Tissue conditioner
3. Centric occlusion
4. Dentogenic concept
5. Curve of Spee
6. Difference between natural and artificial dentition
7. Methods of recording VD
8. Relief areas
9. Freeway space
10. Arcon and Nonarcon articulators



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## Conservative Dentistry and Endodontics

1. Cavities beginning in the proximal surfaces of bicuspid and molars are
2. Define enameloplasty?
3. What does a smear layer consist of?
4. Define resistance form?
5. Pit and fissure caries are seen in?
6. Define sandwich technique?
7. Composition of GIC?
8. Define liners and base?
9. Which cement is most irritant to pulpal tissue?
10. Indication for resin modified glass ionomer cement?
11. Composition of amalgam?
12. In which class of cavities amalgam is contraindicated?
13. Define corrosion?
14. Admixed high copper alloy contains?
15. Advantage of zinc containing amalgam?
16. Which of the constitution of amalgam decreases expansion?
17. Define annealing?
18. Indications of direct filling gold?
19. Types of gold?
20. Composition and properties of type 3 gold?

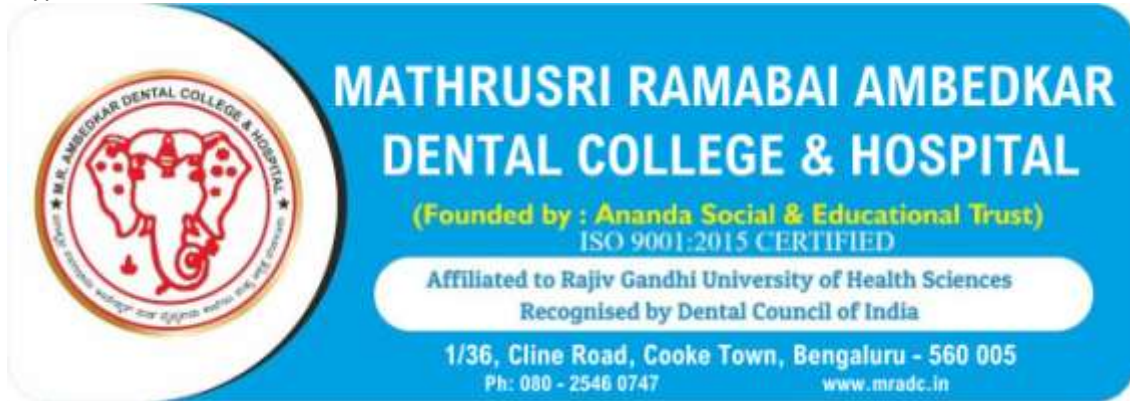


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### Department of Oral Surgery

Define transalveolar extractions.

- 1) Armamentarium used in transalveolar extractions.
- 2) Indications of transalveolar extractions
- 3) Postage stamp technique.
- 4) Principles of flaps
- 5) Complications of flaps
- 6) Dry socket
- 7) Types of flaps
- 8) Techniques of haemostasis in transalveolar extractions.
- 9) Suture materials used.
- 10) Post extraction instructions.
- 11) Birn's technique
- 12) Complications post transalveolar extractions
- 13) Types of elevators
- 14) Principle of elevators
- 15) Steps of transalveolar extractions.
- 16) Burs used in transalveolar extractions.
- 17) Medications after transalveolar extractions
- 18) Principles of suturing
- 19) Chair position for maxillary and mandibular teeth.

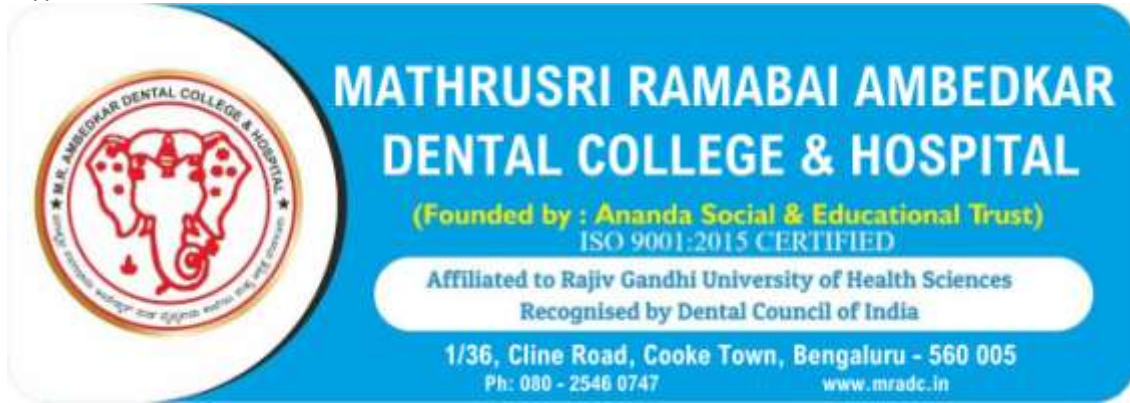


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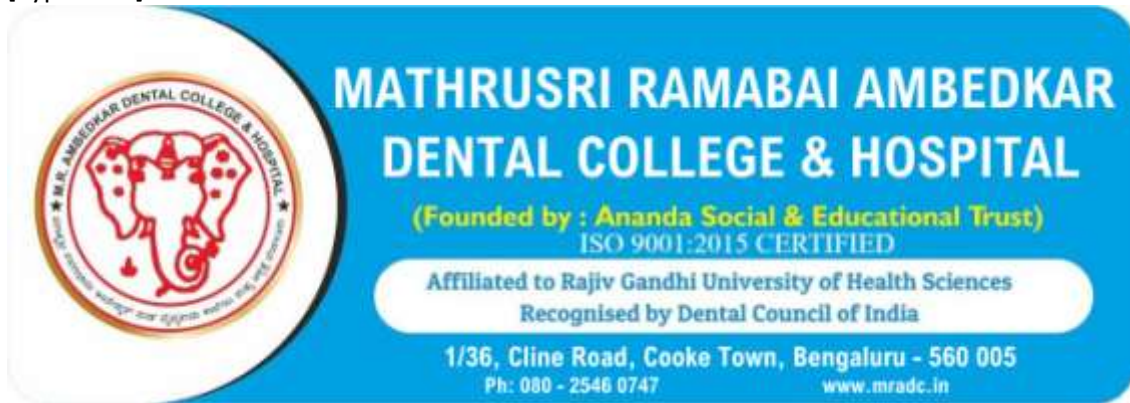


Department of Paedodontics

1. Classify oral habits
2. Write a short note on APF
3. Describe Scammon's growth curve.
4. Uses of X-rays in Pediatric Dentistry
5. Explain factors affecting growth.
6. Explain the spacing in primary teeth.
7. Classify theories of child psychology
8. Rubber dam armamentarium
9. Universal system (tooth numbering)
10. Define Pediatric dentistry- AAPD
11. Define pedodontics
12. Concept of dental home
13. Definition of ECC
14. Distal shoe space maintainer
15. Explain RDA



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## Department of Oral Medicine

### RED AND WHITE LESIONS

1. Define red and white lesions? Classify red and white lesions of the oral cavity?
2. What are the etiological factors, clinical features, investigations and management for oral candidiasis?
3. What is oral thrush?
4. What is denture sore mouth?
5. What is angular cheilitis?
6. What is median rhomboid glossitis?
7. Define Oral submucous fibrosis? Discuss the etiological factors, pathogenesis, clinical features, investigations, differential diagnosis and management of Oral submucous fibrosis?
8. What are the potentially malignant disorders and define premalignant lesion and premalignant condition?
9. What is Leukoplakia?
10. What are the different types of Leukoplakia?
11. What are the etiological factors for Leukoplakia?
12. What are the investigations and differential diagnosis for Leukoplakia?
13. What is toluidine blue staining?
14. What is erythroplakia?
15. What is smokers palate?
16. What is geographic tongue?
17. What is white sponge nevus? 18. What is Lichen Planus?

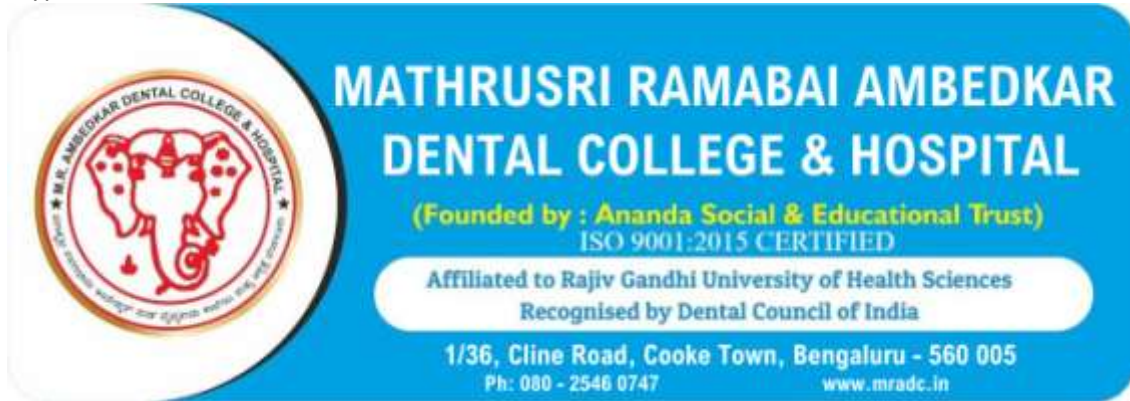


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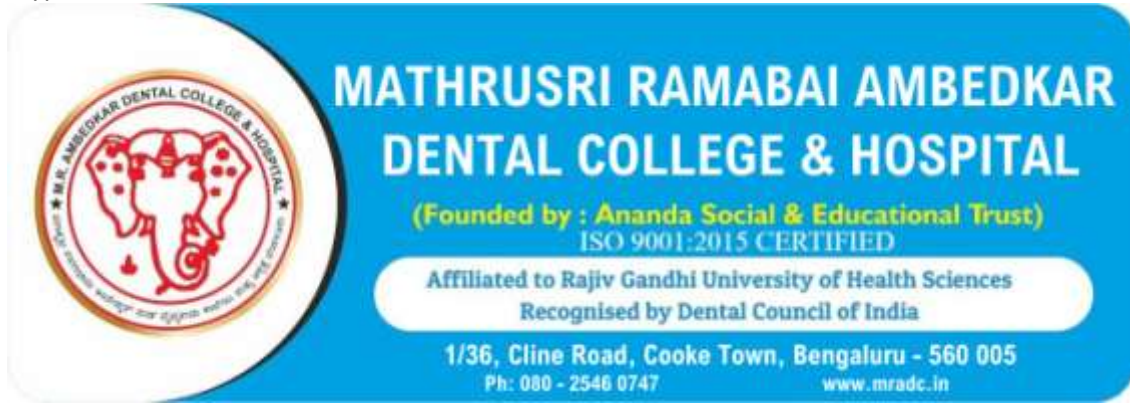
## Department of Public Health Dentistry

- 1.) Define Health
- 2.) Enlist AIMS of epidemiology
- 3.) Define Balanced diet
- 4.) Mention Elements of a slow sand filter
- 5.) Enumerate various measures of Dispersion
- 6.) Describe the Steps in survey
- 7.) Classification of Dental caries
- 8.) Describe different levels of prevention of oral cancer at community level
- 9.) Define health education.
- 10.) Define dental auxiliary.
- 11.) Recall Recommended time for acid etching before placing a pit and fissure sealant
- 12.) Mention the functions of School Dental Nurse
- 13.) Mal nutrition & Oral Health
- 14.) Enlist indications for genetic counselling
- 15.) Explain Robin Hood Approach dental care financing



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## Department of periodontics

1. Can a dental surgery be performed in a patient with history of cardio vascular or cerebrovascular event in past 6 months
2. Classify Curettes.
3. Define periodontal pocket
4. Differentiate cellular and a cellular cementum
5. Enumerate stages of gingivitis
6. Name different Interdental cleaning aids
7. What are Alloplasts.
8. What are the causes of BOP
9. What are the disadvantages of chlorhexidine
10. What is ablation
11. What is lamina dura
12. What is Periochip.
13. Classify periodontal instruments.
14. What are the objectives of surgical phase of periodontal surgery?
15. What are the treatment modalities for Class I, II, III and IV furcation defects?



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## CURRICULUM PLANNING



### M. R. AMBEDKAR DENTAL COLLEGE & HOSPITAL ACADEMIC CALENDAR 2023

NATIONAL HOLIDAYS							PROFESSIONAL ELIGACENTERS							RESTRICTED HOLIDAY (RH)							WORKING DAYS							INTERNAL THEORY EXAMS							HOLIDAYS																																																
<b>JANUARY 2023</b>																												<b>FEBRUARY 2023</b>																												<b>MARCH 2023</b>																											
<b>APRIL 2023</b>																												<b>MAY 2023</b>																												<b>JUNE 2023</b>																											
<b>JULY 2023</b>																												<b>AUGUST 2023</b>																												<b>SEPTEMBER 2023</b>																											
<b>OCTOBER 2023</b>																												<b>NOVEMBER 2023</b>																												<b>DECEMBER 2023</b>																											

*Note: The above calendar is a summary representation. Each month's grid includes specific dates for holidays, exams, and working days as per the original document.*




- Practical Internal Exams should be conducted according to the convenience of the concerned departments during their regular practical/Preclinical/Clinical hours.
- In case of any unforeseen holiday falling on the theory exam dates, the concerned exams will be conducted on the next regular working day.
- 75% attendance is mandatory in both Theory & Practical/Preclinical/Clinical subjects to appear for university examinations.
- For Faculty: Only 2 RH per year is applicable (can be combined with CL (sarnal leave)), EL (Earned Leave) cannot be combined with any other leaves.
- Any other leave (e.g., medical, bereavement, etc.) is to be taken with the permission of the Management through the Principal.

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## M. R. AMBEDKAR DENTAL COLLEGE & HOSPITAL ACADEMIC CALENDAR 2024

GOVERNMENT HOLIDAYS	RESTRICTED HOLIDAY	INSTITUTIONAL CELEBRATIONS	INSTITUTIONAL CLUB ACTIVITIES	RGHUS EXAM INTERNAL EXAMS	TENTATIVE CULTURAL SPORTS, GRADUATION MONTH
<b>JANUARY 2024</b>					
01.01.2024 : HII (NEW YEAR DAY)					
15.01.2024 : MAKARA SANKRANTHI					
31.01.2024 : PROSTHODONTISTS DAY					
26.01.2024 : REPUBLIC DAY					
<b>FEBRUARY 2024</b>					
		04.02.2024 : SUNDAY			
		07.02.2024 : WORLD ORAL CANCER DAY			
		07.02.2024 : RAHARAJI AMBEDKAR BIRTH ANNIVERSARY			
		13.02.2024 : DENTIST DAY			
		15.02.2024 - 20.02.2024 :			
		1 <sup>st</sup> Internals : 1 <sup>st</sup> BDS Regular batch			
		2 <sup>nd</sup> Internals : 2 <sup>nd</sup> BDS Regular batch			
		3 <sup>rd</sup> Internals : 3 <sup>rd</sup> BDS Regular batch			
		2 <sup>nd</sup> Internals : 2 <sup>nd</sup> BDS Odd batch			
		23.02.2024 : PERIODONTIST DAY			
		25.02.2024 : ORAL PATHOLOGISTS DAY			
		26.02.2024 : HII (SHAH J. - RAHAT)			
<b>MARCH 2024</b>					
					05.03.2024 : CONSOLIDATED ENDO DAY
					08.03.2024 : MAHAASHIVARATHRI
					20.03.2024 : WORLD ORAL HYGIENE DAY
					25.03.2024 : HII (HOLI)
					29.03.2024 : GOOD FRIDAY
					30.03.2024 : HII (HOLY SATURDAY)
<b>APRIL 2024</b>					
RGHUS BDS SUPPLEMENTARY EXAM					
		05.04.2024 : HII (JUMMUL UL AYDA)			
		07.04.2024 : WORLD HEALTH DAY			
		09.04.2024 : CHANDRAMANA UGADI			
		11.04.2024 : QUTUB-E-RAMZAN			
		14.04.2024 : SUNDAY			
		AMBEDKAR JAYANTHI			
		17.04.2024 : HII (SRIRAMANAVAMI)			
		24.04.2024 : ORAL MEDICINE AND RADIOLOGY DAY			
<b>MAY 2024</b>					
		01.05.2024 : MAY DAY			
		10.05.2024 : BASAVA JAYANTHI			
		15.05.2024 : WORLD ORTHODONTIC HEALTH DAY			
		06.05.2024 - 16.05.2024 :			
		2 <sup>nd</sup> Internals : 1 <sup>st</sup> BDS Regular batch			
		3 <sup>rd</sup> Internals : 2 <sup>nd</sup> BDS Regular batch			
		4 <sup>th</sup> Internals : 3 <sup>rd</sup> BDS Regular batch			
		3 <sup>rd</sup> Internals : 2 <sup>nd</sup> BDS Odd batch			
		22.05.2024 : HII (BUDDHA POORNIMA)			
		31.05.2024 : WORLD NO TOBACCO DAY			
<b>JUNE 2024</b>					
					18.06.2024 : BAKRID
<b>JULY 2024</b>					
RGHUS MDS SUPPLEMENTARY EXAM					
		01.07.2024 : DOCTORS DAY			
		15.07.2024 - 26.07.2024 :			
		3 <sup>rd</sup> Internals : 1 <sup>st</sup> BDS Regular batch			
		2 <sup>nd</sup> Internals : 2 <sup>nd</sup> BDS Regular batch			
		3 <sup>rd</sup> Internals : 3 <sup>rd</sup> BDS Regular batch			
		1 <sup>st</sup> Internals : 2 <sup>nd</sup> BDS Odd batch			
		04 <sup>th</sup> Internals : 3 <sup>rd</sup> BDS odd batch			
		17.07.2024 : MUHARRAM			
<b>AUGUST 2024</b>					
		01.08.2024 : NATIONAL ORAL HYGIENE DAY			
		15.08.2024 : INDEPENDENCE DAY			
		16.08.2024 : HII (VARAMAHALAKSHMI VRATA)			
		19.08.2024 : HII (VALJUR UPKARMA)			
		26.08.2024 : HII (NARAYANAGURU JAYANTHI)			
		26.08.2024 : HII (JANMASHTAMI)			
<b>SEPTEMBER 2024</b>					
RGHUS EXAM BDS REGULAR BATCH					
		05.09.2024 : TEACHERS DAY			
		06.09.2024 : HII (SWARNA GOWRI VRATA)			
		07.09.2024 : GANESHI CHATURTHI			
		15.09.2024 : THE ONAM			
		16.09.2024 : ID - MEELAD			
		17 : HII (VISHWAKARMA JAYANTHI)			
		18.09.2024 : FOUNDERS DAY			
<b>OCTOBER 2024</b>					
CULTURE AND SPORTS					
		02.10.2024 : GANDHI JAYANTHI			
		11.10.2024 : MAHANAVAMI			
		12.10.2024 : VIJAYA DASHAMI			
		17.10.2024 : VALMIKI JAYANTHI			
		31.10.2024 : NARAKA CHATURDASHI			
<b>NOVEMBER 2024</b>					
GRADUATION					
		01.11.2024 : RAJYOTSAVA DAY			
		02.11.2024 : BALIPADYAMI			
		14.11.2024 : PEDODONTIST DAY			
		15.11.2024 : HII (GURUNANK JAYANTHI)			
		18.11.2024 : KANAKADASA JAYANTHI			
		19.11.2024 - 25.11.2024 :			
		2 <sup>nd</sup> Internals :			
		3 <sup>rd</sup> BDS Odd batch			
		4 <sup>th</sup> BDS odd batch			
<b>DECEMBER 2024</b>					
RGHUS EXAM MDS REGULAR BATCH					
		01.12.2024 : [WORLD AIDS DAY]			
		06.12.2024 : AMBEDKAR DEATH ANNIVERSARY (MAHAPARINIRVAN DEN)			
		24.12.2024 : HII (CHRISTMAS EVE)			
		25.12.2024 : CHRISTMAS			




Practical Internal Exams could be conducted according to the convenience of the concerned departments during their regular practical/Preclinical/Clinical hours.

- In case of any unforeseen holiday falling on the theory exam dates, the concerned exam will be conducted on the next regular working day.
- 75 % attendance is mandatory in both Theory & Practical/Preclinical/Clinical subjects to appear for university examinations.
- For Facilities: Only 2 HII per year is applicable (can be combined with CL (annual leave), EL (Earned Leave) cannot be combined with any other leaves.
- Any changes to this calendar will be with the permission of the Management through the Principal.

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**UNDERGRADUATE TIME TABLE**

M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

**TIME TABLE FOR 1st BDS COURSE**

Week days Time	8.00 am to 9.00 am	9.00 am to 11.00 am		11.00 am to 12.00 noon	12.00 noon to 1.00 pm	1.00 pm to 2.00 pm	2.00 pm to 4.00 pm	
		Batch	Subject				Roll Nos.	Subjects
MONDAY	--	A B C	Histology Physiology Biochemistry	Physiology -L	Biochemistry -L	LUNCH BREAK	2.00 pm to 3.00 pm - DADH - L 3.00 pm to 4.00 pm - Dental Materials Conservorative - L	
TUESDAY	--	B A C	Histology Physiology Biochemistry	Anatomy -L	Biochemistry -L		1-50 DADH - Lab 51-75 Pre-Clinical Conservative 76-100 Pre-Clinical Prosthetics	
WEDNESDAY	--						51-100 DADH - Lab 1-25 Pre-Clinical Conservative 26-50 Pre-Clinical Prosthetics	
THURSDAY	--	Dissection		Physiology -L	Anatomy -L		1-50 DADH - Lab 76-100 Pre-Clinical Conservative 51-75 Pre-Clinical Prosthetics	
FRIDAY	--	9.00 am to 10.00 am DADH - L		10.00 am to 12.30 pm Dental Materials Lab			51-100 DADH - Lab 26-50 Pre-Clinical Conservative 1-25 Pre-Clinical Prosthetics	
SATURDAY	Dental Materials Prosthodontics -L	9.00 am to 10.00 am DADH - L			10.00 am to 1.00 pm Dental Materials Lab			


*Anuradha V.*  
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**Note: Value Added Course is scheduled every Wednesday from 9:00 am to 12:00 pm.**



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**TIME TABLE FOR IInd BDS COURSE**

Week days Time	8.00 am to 9.00 am	9.15 am to 10.30 am	10.30 am to 12.30 pm		12.30 pm to 1.30 pm	1.30 pm to 4.00 pm
			Batch	Subject		
MONDAY	Pre-Clinical Prosthodontics - L	Pharmacology -L	B A	Pharmacology Pathology	LUNCH BREAK	Pre-Clinical Practicals Batch - A: Conservative Batch - B: Prosthodontics
TUESDAY	Dental Materials Prosthodontics -L	Microbiology - L	A B	Pharmacology Microbiology		DM Clinical Practicals Batch - A: Conservative Batch - B: Prosthodontics
WEDNESDAY	Dental Materials Conservative -L	Pathology -L	A B	Microbiology Pathology		Pre-Clinical Practicals Batch - B: Conservative Batch - A: Prosthodontics
THURSDAY	Dental Materials Prosthodontics -L	<u>9.00 am to 11.00 am</u> Oral Pathology	<u>11.30 am to 12.30 pm</u> Pharmacology -L			DM Clinical Practicals Batch - B: Conservative Batch - A: Prosthodontics
FRIDAY	Pre-Clinical Conservative -L	<u>Pre-Clinical Practicals</u> Batch - A: Conservative Batch - B: Prosthodontics				<u>1.30 pm to 2.30 pm</u> DM Conservative - L <u>2.30 pm to 3.30 pm</u> DM Prosthodontics - L
SATURDAY	<u>8.00 am to 11.30 pm</u> Pre-Clinical Practicals Batch - B: Conservative Batch - A: Prosthodontics		<u>11.30 am to 1.00 pm</u> Orthodontics -Lab			

*Chandana D.*  
**PRINCIPAL**  
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**Note: Value Added Course is scheduled every Thursday from 8:00 am to 09:00 am.**

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**TIME TABLE FOR IIIrd BDS COURSE**

Week days Time	8.00 am to 9.00 am	9.00 am to 10.00 am	10.30 am to 12.30 pm	12.30 pm to 1.30 pm	1.30 pm to 4.00 pm
MONDAY	Oral Surgery - L	Oral Pathology -L	General Surgery - L / General Medicine - L	LUNCH BREAK	Clinical Postings
TUESDAY	Pedodontics -L	General Surgery			Clinical Postings
WEDNESDAY	Conservative Dentistry -L	General Medicine			Clinical Postings
THURSDAY	Orthodontics -L	Oral Pathology - L	General Surgery - L / General Medicine - L		Clinical Postings
FRIDAY	Oral Medicine -L	Oral Pathology - L	Pedodontics / Orthodontics - LAB		Clinical Postings
SATURDAY	Periodontics -L	Prosthodontics -L	10.30 am to 12.00 noon - Oral Pathology 12.00 noon to 1.00 pm - Public Health Dentistry		


*Anuradha M.*  
**PRINCIPAL**  
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**Note: Value Added Course is scheduled every Saturday from 12:00 to 1:00pm.**



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**TIME TABLE FOR IVth BDS COURSE**

Week days Time	8.00 am to 9.00 am	9.00 am to 12.30 pm	12.30 pm to 1.30 pm	1.30 pm to 2.30 pm	2.30 pm to 3.30 pm
MONDAY	Periodontics - L	Clinical Postings	LUNCH BREAK	Oral Medicine - L	Oral Surgery - L
TUESDAY	Oral Surgery - L	Clinical Postings		Orthodontics - L	
WEDNESDAY	Oral Medicine - L	Clinical Postings		Conservative - L	Orthodontics - L
THURSDAY	Conservative - L	Clinical Postings		Periodontics - L	Prosthodontics - L
FRIDAY	Orthodontics - L	Clinical Postings		Pedodontics - L	Prosthodontics - L
SATURDAY	Pedodontics - L	9.00 am to 10.30 am Public Health Dentistry - L	10.30 am onwards: Batch - A / B : Public Health Dentistry Field programs (alternate weeks) 10.30 am to 1.00 pm: Batch - A / B : Prosthodontics - Crown Cutting (alternate weeks)		


  
Principal  
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**Note: Value Added Course is scheduled every Saturday from 9:00am to 10:00 am and Add on course is held on every Monday 1:30pm to 2:30 pm**



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## POST GRADUATE TIME TABLE

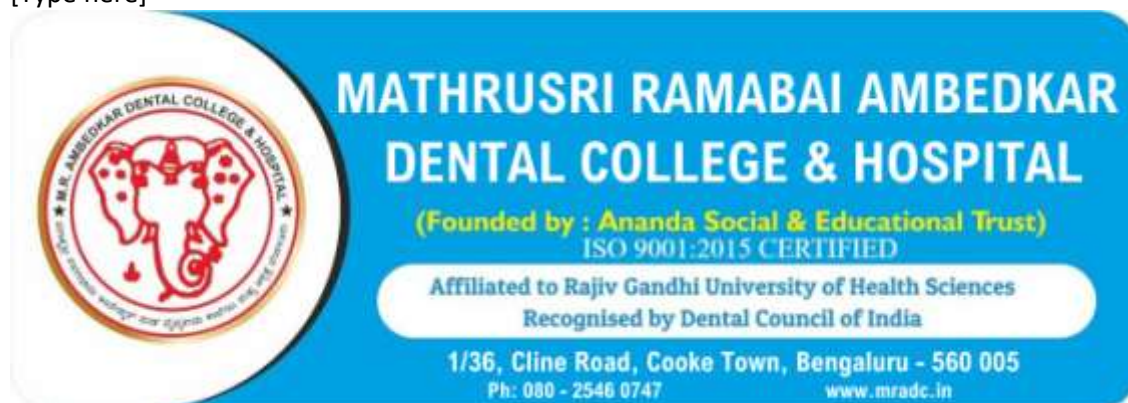


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**DEPARTMENT OF ORAL & MAXILLOFACIAL PATHOLOGY and  
MICROBIOLOGY**

**Time Table for I M.D.S**

DAYS	9-10 A.M	10-11A.M	11-12:30 P.M	12 :30-1:30 P. M	1:30-2:30 P.M	2:30-4:00 P.M
<b>Monday</b>	Seminar	Seminar	Journal club	L	Hematology lab posting	Hematology lab posting
<b>Tuesday</b>	Slide discussion	Slide discussion	Journal club	U	Histopathology lab posting	Histopathology lab posting
<b>Wednesday</b>	Journal club	Seminar	Seminar	N	Hematology lab posting	Hematology lab posting
<b>Thursday</b>	Basic science classes	Basic science classes	Basic science classes	C	Basic science classes	Basic science classes
<b>Friday</b>	Slide discussion	Seminar	Add on course	H	Basic science clinical posting	Basic science clinical posting
<b>Saturday</b>	Theory class 	Value added course	Interdepartmental seminar	--	--	--

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**DEPARTMENT OF ORAL & MAXILLOFACIAL PATHOLOGY and MICROBIOLOGY**



**Time Table for II M.D.S**

DAYS	9-10 A.M	10-11A.M	11-12:30 P.M	12:30-1:30 P.M	1:30-2:30 P.M	2:30-4:00 P.M
<b>Monday</b>	Seminar	Seminar	Journal club	L	Value added course	Histopathology lab posting
<b>Tuesday</b>	Histopathology lab posting	Histopathology lab posting	Journal club	U	DADH practical class	DADH practical class
<b>Wednesday</b>	Journal club	Seminar	Seminar	N	DADH practical class	DADH practical class
<b>Thursday</b>	Seminar	Add on course	Slide discussion	C	Hematology lab posting	Hematology lab posting
<b>Friday</b>	Slide discussion	Seminar	Seminar	H	Histopathology lab posting	Histopathology lab posting
<b>Saturday</b>	DADH Theory class	Hematology lab posting	Interdepartmental seminar	--	--	--

**Clinical posting for 1 month in each department from 1:30-4:00 pm on all days**

Pathology (B. R. Ambedkar Medical College)  
Dermatology (B. R. Ambedkar Medical College)

Oral medicine and Radiology (M.R.Ambedkar Dental College) Oral and Maxillofacial Surgery (M. R. Ambedkar Dental College)

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**DEPARTMENT OF ORAL & MAXILLOFACIAL PATHOLOGY and MICROBIOLOGY**

**Time Table for III M.D.S**

DAYS	9-10 A.M	10-11A.M	11-12:30 P.M	12:30-1:30 P.M	1:30-2:30 P.M	2:30-4:00 P.M
<b>Monday</b>	Seminar	Seminar	Journal club	L	Slide discussion	Slide discussion
<b>Tuesday</b>	Slide discussion	Slide discussion	Journal club	U	Histopathology lab posting	Histopathology lab posting
<b>Wednesday</b>	Journal club	Slide discussion	Value added course	N	Histopathology lab posting	Histopathology lab posting
<b>Thursday</b>	Oral pathology Theory class	Seminar	Journal club	C	Histopathology lab posting	Histopathology lab posting
<b>Friday</b>	Seminar	Seminar	Add on course	H	Hematology lab posting	Hematology lab posting
<b>Saturday</b>	Hematology lab posting	Hematology lab posting	Interdepartmental seminar	--	--	--

**Oncology posting for 1 month 9:00 A.M to 4:00 P.M**

**Oncology (Kidwai Memorial Institute of Oncology, Bangalore)**


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**DEPARTMENT OF ORHODONTICS & DENTO-FACIAL  
ORTHOPAEDICS**

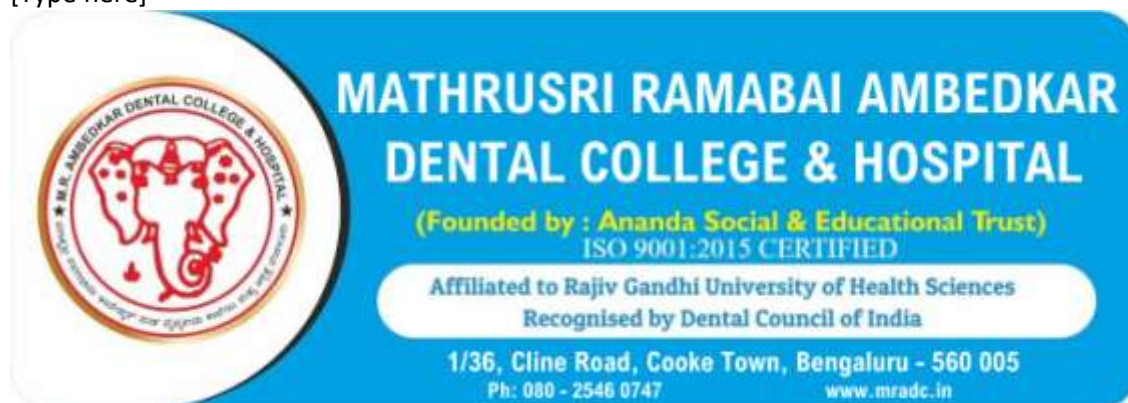
**Time Table for I M.D.S**

<u>DAYS</u>	<u>9-00 -10-00</u>	<u>10-00 -11-00</u>	<u>11-00 -12-00</u>	<u>12-00 - 13-00</u>	<u>13 - 00 - 13 - 30</u>	<u>13-30 - 14-30</u>	<u>14-30 - 16-00</u>
<b>Monday</b>	Seminar	Practical Demonstration	Add On Course	Wire Bending	<b>L U N C H B R E A K</b>	Practical Viva	Wire Bending
<b>Tuesday</b>	Seminar	Practical Demonstration	Wire Bending	Wire Bending		Practical Viva	Wire Bending
<b>Wednesday</b>	Journal Club	Practical Demonstration	Wire Bending	Wire Bending		Practical Viva	Wire Bending
<b>Thursday</b>	-	BASIC	SCIENCE	CLASS		AMC	-
<b>Friday</b>	Seminar	Practical Demonstration	Value Added Course	Wire Bending		Practical Viva	Wire Bending
<b>Saturday</b>	Case Discussion	Practical Demonstration	Wire Bending	Wire Bending		Practical Viva	Wire Bending

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**DEPARTMENT OF ORHODONTICS & DENTO-FACIAL  
ORTHOPAEDICS**

**Time Table for II M.D.S**

DAYS	<u>9-00 -10-00</u>	<u>10-00 -11-00</u>	<u>11-00 - 12-00</u>	<u>12-00 - 13-00</u>	<u>13- 00</u> - <u>13- 30</u>	<u>13-30 -14-30</u>	<u>14-30 - 16-00</u>
<b>Monday</b>	Seminar	Case Discussion	Clinical Hours	Clinical Hours	<b>L U N C H B R E A K</b>	Case Discussion	Clinical Hours
<b>Tuesday</b>	Seminar	Value Added Course	Clinical Hours	Clinical Hours		Case Discussion	Clinical Hours
<b>Wednesday</b>	Journal Club	Case Discussion	Clinical Hours	Clinical Hours		Case Discussion	Clinical Hours
<b>Thrusday</b>	Seminar	Case Discussion	Clinical Hours	Add On Course		Case Discussion	Clinical Hours
<b>Friday</b>	Seminar	Case Discussion	Clinical Hours	Clinical Hours		Case Discussion	Clinical Hours
<b>Saturday</b>	Case Discussion	Clinical Hours	Clinical Hours	Clinical Hours		Case Discussion	Clinical Hours


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**DEPARTMENT OF ORHODONTICS & DENTO-FACIAL  
ORTHOPAEDICS**

**Time Table for III M.D.S**

DAYS	9-00 -10-00	10-00 -11-00	11-00 -12-00	12-00 -13-00	13-00 -13-30	13-30 -14-30	14-30 -16-00
<b>Monday</b>	Seminar	Case Discussion	Clinical Hours	Clinical Hours	<b>L U N C H B R E A K</b>	Practical Demonstration (Biomechanics)	Clinical Hours
<b>Tuesday</b>	Seminar	Case Discussion	Clinical Hours	Value Added Course		Practical Demonstration (Biomechanics)	Clinical Hours
<b>Wednesday</b>	Journal Club	Case Discussion	Clinical Hours	Clinical Hours		Practical Demonstration (Biomechanics)	Clinical Hours
<b>Thrusday</b>	Seminar	Case Discussion	Clinical Hours	Clinical Hours		Practical Demonstration (Biomechanics)	Clinical Hours
<b>Friday</b>	Seminar	Add On Course	Clinical Hours	Clinical Hours		Practical Demonstration (Biomechanics)	Clinical Hours
<b>Saturday</b>	Case Discussion	Case Discussion	Clinical Hours	Clinical Hours		Practical Demonstration (Biomechanics)	Clinical Hours




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**DEPARTMENT OF ORAL & MAXILLOFACIAL SURGERY**


**Time Table for I M.D.S**

DAY	9- 10:30 AM	10:30 – 1 PM	1-1:30 PM	2 – 3 PM
Monday	Seminar/JC	Clinical Posting	Lunch Break	Discussion
Tuesday	Library	Clinical Posting		Discussion
Wednesday	Value Added Course	Clinical Posting		Discussion
Thursday	Library	Clinical Posting		Discussion
Friday	Seminar/Jc	Clinical Posting		Discussion
Saturday	Add On Course	Clinical Posting		Discussion

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**DEPARTMENT OF ORAL & MAXILLOFACIAL SURGERY**

**Time Table for II M.D.S**

DAY	9- 10:30 AM	10:30 – 1 PM	1-1:30 PM	2 – 3 PM
Monday	Value Added Course	Clinical Posting	Lunch Break	Discussion
Tuesday	Seminar/Jc/ Case Presentation	Clinical Posting		Discussion
Wednesday	Add On Course	Clinical Posting		Discussion
Thursday	Seminar/Jc/ Case Presentation	Clinical Posting		Discussion
Friday	Library	Clinical Posting		Discussion
Saturday	Library	Clinical Posting		Discussion




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**DEPARTMENT OF ORAL & MAXILLOFACIAL SURGERY**

**Time Table for III M.D.S**

DAY	9- 10:30 AM	10:30 – 1 PM	1-1:30 PM	2 – 3 PM
<b>Monday</b>	Library	Clinical Posting	<b>Lunch Break</b>	Discussion
<b>Tuesday</b>	Library	Clinical Posting		Discussion
<b>Wednesday</b>	Seminar/Jc/Case Presentation	Clinical Posting		Discussion
<b>Thursday</b>	Value Added Course	Clinical Posting		Discussion
<b>Friday</b>	Library	Clinical Posting		DISCUSSION
<b>Saturday</b>	Add On Course	Clinical Posting		Discussion




*P.R.P.L.P*

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Ph: 080 - 2546 0747 www.mradc.in

**DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY**

**Time Table for I, II & III M.D.S**


DAYS	9.00 AM-10.00AM	10.00AM-1.00PM		1.30PM-4.00PM
<b>Monday</b>	Seminar	Clinics/Radiology	LUNCH  BREAK	Clinics/Radiology
<b>Tuesday</b>	Journal club	Clinics/Radiology		Clinics/Radiology
<b>Wednesday</b>	Case presentation/ Discussion	Value Added course		Clinics/Radiology
<b>Thursday</b>	Journal club	Clinics/Radiology		Clinics/Radiology
<b>Friday</b>	Add on course	Clinics/Radiology		Clinics/Radiology
<b>Saturday</b>	Radiographic exercises/ Interpretations	Clinics/Radiology		Weekly test

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**DEPARTMENT OF PUBLIC HEALTH DENTISTRY**


**Time Table for I M.D.S**

DAYS	9:30AM-11:00AM	11:00AM-01:00PM		2:00PM-04:00PM
Monday	Seminar Presentation	Case Discussion	L U N C H	Clinical
Tuesday	Seminar Presentation	Add On Course		Clinical
Wednesday	Seminar/Journal Club Presentation	Library		Clinical
Thursday	Basic Science Classes- Medical College		B R E A K	Basic Science Classes
Friday	Case History / Indices Discussion	Value Added Course		Clinical
Saturday	Synopsis Writing/ Discussion	Basic Science Test/		

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**DEPARTMENT OF PUBLIC HEALTH DENTISTRY**


**Time Table for II M.D.S**

DAYS	9:30AM-11:00AM	11:00AM-01:00PM		2:00PM-04:00PM
<b>Monday</b>	Seminar/Journal Club Presentation	Value Added Course	<b>L U N C H  B R E A K</b>	Clinical
<b>Tuesday</b>	Seminar/Journal Club Presentation	Case Discussion		Clinical
<b>Wednesday</b>	Seminar/Journal Club Presentation	Case Discussion/Library		Clinical
<b>Thursday</b>	Spastic Society Camp			Term Paper/ Dissertation Work
<b>Friday</b>	Field Visits/ Camp			Clinical
<b>Saturday</b>	Pedagogy	Add On Course		-

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**DEPARTMENT OF PUBLIC HEALTH DENTISTRY**

**Time Table for III M.D.S**

DAYS	9:30AM-11:00AM	11:00AM-01:00PM	L U N C H  B R E A K	2:00PM-04:00PM
Monday	Seminar/Journal Club Presentation	Value Added Course		Clinical
Tuesday	Seminar/Journal Club Presentation	Case Discussion		Clinical
Wednesday	Seminar/Journal Club Presentation	Add On Course		Clinical
Thursday	Spastic Society Camp			Term Paper/ Dissertation Work
Friday	Field Visits			Clinical
Saturday	Pedagogy	Library		-




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**DEPARTMENT OF CONSERVATORY DENTISTRY AND  
ENDODONTICS**

**Time Table for I M.D.S**

DAYS	9AM-9:30AM	9:30AM-1PM		1:30PM-4PM
<b>Monday</b>	Seminar/ Journal Club Presentation	Clinical	LUNCH BREAK	Clinical
<b>Tuesday</b>	Seminar/ Journal Club Presentation	Clinical		Clinical
<b>Wednesday</b>	Add On Course	Clinical		Clinical
<b>Thursday</b>	Basic Science Classes, Medical College			Basic Science Classes
<b>Friday</b>	Seminar/ Journal Club Presentation	Clinical		Clinical
<b>Saturday</b>	Value Added Course	Clinical		Clinical

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**DEPARTMENT OF CONSERVATORY DENTISTRY AND ENDODONTICS**

**Time Table for II M.D.S**

DAYS	9AM-9:30AM	9:30AM-1PM	LUNCH BREAK	1:30PM-4PM
Monday	Seminar/ Journal Club Presentation	Clinical		Clinical
Tuesday	Add On Course	Clinical		Clinical
Wednesday	Seminar/ Journal Club Presentation	Clinical		Clinical
Thursday	Value Added Course	Clinical		Clinical
Friday	Seminar/ Journal Club Presentation	Clinical		Clinical
Saturday	Clinical	Clinical		Clinical

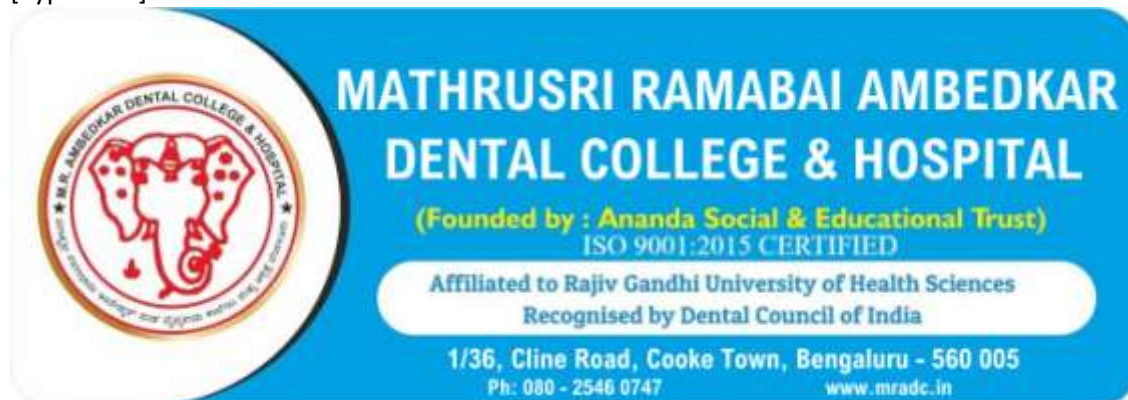


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**DEPARTMENT OF CONSERVATORY DENTISTRY AND  
ENDODONTICS**

**Time Table for III M.D.S**

DAYS	9AM-9:30AM	9:30AM-1PM	LUNCH BREAK	1:30PM-4PM
<b>Monday</b>	Seminar/ Journal Club Presentation	Clinical		Clinical
<b>Tuesday</b>	Seminar/ Journal Club Presentation	Clinical		Clinical
<b>Wednesday</b>	Add On Course	Clinical		Clinical
<b>Thursday</b>	Seminar/ Journal Club Presentation	Clinical		Clinical
<b>Friday</b>	Value Added Course	Clinical		Clinical
<b>Saturday</b>	Clinical	Clinical		Clinical


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**DEPARTMENT OF PROSTHODONTICS, CROWN & BRIDGE  
INCLUDING IMPLANTOLOGY**

**Time Table for I M.D.S**


Days	9:00 to 10:30 AM	10:30 to 11:30 AM	11:30 to 1:00 PM	<b>L U N C H</b>	1:30 to 4:00 PM
<b>Monday</b>	Seminar	Discussion	Preclinical		Preclinical
<b>Tuesday</b>	value added course	Discussion	Preclinical		Preclinical
<b>Wednesday</b>	Journal Club	Discussion	Preclinical		Preclinical
<b>Thursday</b>	AMC				
<b>Friday</b>	Case Discussion	Discussion	Preclinical		Preclinical
<b>Saturday</b>	Add on course	Discussion	Preclinical		Preclinical

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**DEPARTMENT OF PROSTHODONTICS, CROWN & BRIDGE  
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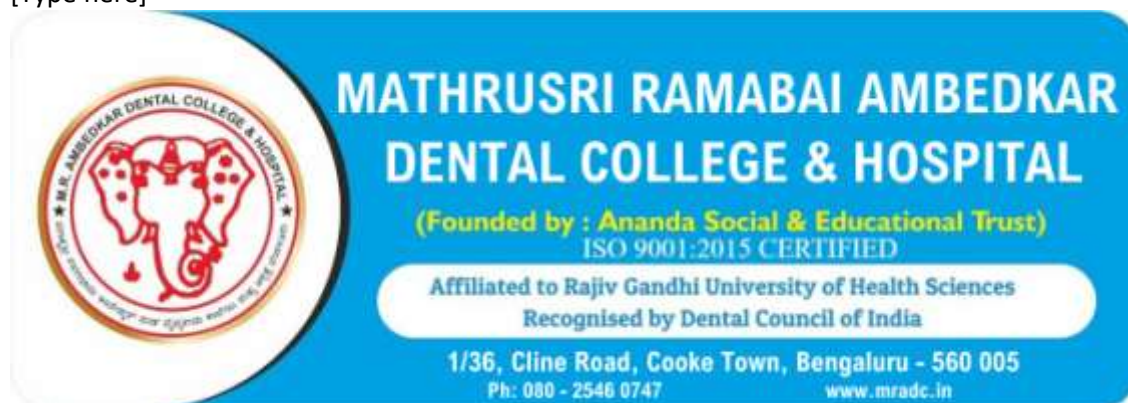
**Time Table for II & III M.D.S**

Days	9:00 to 10:30 AM	10:30 to 11:30 AM	11:30 to 1:00 PM	<b>L U N C H</b>	1.30 to 4.00pm
<b>Monday</b>	Value added course	Clinics/ Case Discussion	Clinics		Clinics
<b>Tuesday</b>	Seminar	Clinics/ Group Discussion	Clinics		Clinics
<b>Wednesday</b>	Journal Club	Clinics/ Demonstration	Clinics		Clinics
<b>Thursday</b>	Journal Club	Clinics	Clinics		Clinics
<b>Friday</b>	Case Discussion	Clinics	Clinics		Clinics
<b>Saturday</b>	Add on course	Clinics	Clinics		

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**DEPARTMENT OF PROSTHODONTICS, CROWN & BRIDGE INCLUDING IMPLANTOLOGY**


**Time Table for I, II & III M.D.S**

DAYS	9.30-10.30	10.30-1.00	1.30-3.00	3.00-4.00
<b>Monday</b>	Seminar	Non-Surgical Treatment/ Surgical Treatment	Clinical Work/Case Discussion	Treatment Seminar/ Text Book Reading
<b>Tuesday</b>	Add On Course	Non-Surgical Treatment/ Surgical Treatment	Clinical Work/Case Discussion	Treatment Seminar/ Text Book Reading
<b>Wednesday</b>	Seminar	Non-Surgical Treatment/ Surgical Treatment	Clinical Work/Case Discussion	Treatment Seminar/ Text Book Reading
<b>Thursday</b>	Treatment Seminar Text Book Reading	Non-Surgical Treatment/ Surgical Treatment	Clinical Work/Case Discussion	Dissertation (Main And Library)
<b>Friday</b>	Value Added Course	Non-Surgical Treatment/ Surgical Treatment	Clinical Work/Case Discussion	Treatment Seminar/ Text Book Reading
<b>Saturday</b>	Non- Surgical Treatment/ Surgical Treatment	Clinical Work/Case   Discussion	-----	-----

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**DEPARTMENT OF PAEDODONTICS & PREVENTIVE DENTISTRY**


DAYS	9.00 AM -10.00AM	10.00 AM-1.00PM	1.00AM-1.3 0PM	1.30PM-4.00 PM
Monday	Seminar	Clinicals	Lunch	Clinicals
Tuesday	Seminar	Clinicals	Lunch	Clinicals
Wednesday	Case presentation	Clinicals	Lunch	Clinicals
Thursday	Journal club	Clinicals	Lunch	Clinicals
Friday	Discussion	Clinicals	Lunch	Clinicals
Saturday	Weekly test	Clinicals	Lunch	Clinicals

**Note: Value Added Course and Add on course is held on every Saturday  
1:30pm to 4.00 pm**

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Ref. No: MRADC/CIR /1958/2017-18 Date: 25.01.2018

**CIRCULAR**

The **I, II, III & IV BDS 2<sup>nd</sup> Internal Examinations** for **REGULAR BATCH** students will commence from 14.02.2018 to 23.02.2018. The HODs are informed to set the **Question Papers of all subjects for 50 marks for 2 hours** and forward the same to the **Email- Id: [internalmradc@gmail.com](mailto:internalmradc@gmail.com) by 07.02.2018 WITHOUT FAIL.**

**Hard copies of Question Papers are not accepted.**


To,  
All the HODs/Professors /staff in charge,  
Dr.BRAMC / MRADC.



*Anuvalata H.*  
**PRINCIPAL** 25<sup>th</sup> Jan 18  
PRINCIPAL,  
M.R.Ambedkar Dental College & Hospital  
Bengaluru, K

**Copy for information to:**  
1)P.A to Chairman, G.C, MRADC  
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3)The Manager (Admin), MRADC.  
4)Notice Board / Office copy.

*P.R.P.*  
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M. R. Ambedkar Dental College & Hospital,  
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Date: 25.01.2018

Ref. No: MRADC/Invgl/15/2017-18

## Time Table for I, II, III & IV BDS 2<sup>nd</sup> Internals Theory Examination Regular Batch 2016-17

Date	09.30am to 11.30am	01.30pm-3.30pm
14-02-18	II BDS - Gen Pharmacology III BDS - Gen Medicine	I BDS - Gen Anatomy IV BDS - Oral Medicine
15-02-18	II BDS - Gen Pathology III BDS - Gen Surgery	I BDS - Gen Physiology IV BDS - Oral surgery
16-02-18	II BDS - Gen Microbiology III BDS - Oral Pathology	I BDS - Gen. Biochemistry IV BDS - Periodontia
17-02-18	II BDS - Dental Materials	--
19-02-18	--	I BDS - DADH IV BDS - Orthodontia --
20-02-18	--	IV BDS - Conservative Dentistry
21-02-18	--	IV BDS - Public Health Dentistry
22-02-18	--	IV BDS - Pedodontia
23-02-18	--	IV BDS - Prosthodontics

The Clinicals / Practical Examinations are to be scheduled by  
the respective departments.



*Shrimalati H*  
PRINCIPAL 25<sup>th</sup> Jan 18  
M.R.Ambedkar Dental College & Hospital  
Bengaluru-5

To,  
The HODs of all departments,  
MRADC / Dr. B.R.AMC&H, Bengaluru.

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- 2) The Vice-Principal, MRADC
- 3) The Manager (Admin), MRADC.
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Ref. No: MRADC/Invgl/2346/2017-18

Date: 27.03.2018

## Time Table for I, II, III & IV BDS 3<sup>rd</sup> Internals Theory Examination for Regular Batch students

Date	09.30am to 11.30am	01.30pm-3.30pm
02/05/2018 Wednesday	II BDS - Gen Pharmacology III BDS - Gen Medicine	I BDS - Gen Anatomy IV BDS - Oral Medicine
03/05/2018 Thursday	II BDS - Gen Pathology III BDS - Gen Surgery	I BDS - Gen Physiology IV BDS - Oral surgery
04/05/2018 Friday	II BDS - Gen Microbiology III BDS - Oral Pathology	I BDS - Gen. Biochemistry IV BDS - Periodontia
05/05/2018 Saturday	II BDS - Dental Materials	--
07/05/2018 Monday	--	I BDS - DADH IV BDS - Orthodontia --
08/05/2018 Tuesday	--	IV BDS - Conservative Dentistry
09/05/2018 Wednesday	--	IV BDS - Public Health Dentistry
10/05/2018 Thursday	--	IV BDS - Pedodontia
11/05/2018 Friday	--	IV BDS - Prosthodontics

The Clinicals / Practical Examinations are to be scheduled by  
the respective departments.



*Sivalata H.*  
PRINCIPAL 27/3/18

To,  
The HODs of all departments,  
MRADC / Dr. B.R.AMC&H, Bengaluru.

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Ref. No: MRADC/Invgl/3574/2017-18 Date: 27.03.2018


### Time Table for II, III & IV BDS 1<sup>st</sup> Internals Theory Examination for ODD Batch students (2018).

Date	09.30am to 11.30am	01.30pm-3.30pm
02/05/2018 Wednesday	II BDS - Gen Pharmacology III BDS - Gen Medicine	IV BDS - Oral Medicine
03/05/2018 Thursday	II BDS - Gen Pathology III BDS - Gen Surgery	IV BDS - Oral surgery
04/05/2018 Friday	II BDS - Gen Microbiology III BDS - Oral Pathology	IV BDS - Periodontia
05/05/2018 Saturday	II BDS - Dental Materials	--
07/05/2018 Monday	--	IV BDS - Orthodontia --
08/05/2018 Tuesday	--	IV BDS - Conservative Dentistry
09/05/2018 Wednesday	--	IV BDS - Public Health Dentistry
10/05/2018 Thursday	--	IV BDS - Pedodontia
11/05/2018 Friday	--	IV BDS - Prosthodontics

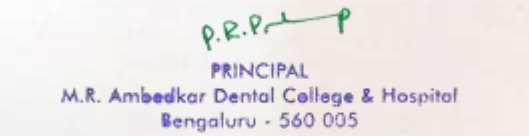
The Clinicals / Practical Examinations are to be scheduled by  
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To,  
The HODs of all departments,  
MRADC / Dr. B.R.AMC&H, Bengaluru.


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Anilata H.  
PRINCIPAL  
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Bengaluru-5




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Ref. No: MRADC/CIR // 33 /2019-20 Date: 21.11.2019


**CIRCULAR**

The I, II, III & IV BDS 1<sup>st</sup> Internal Examination for Regular Batch students will commence from 02/12/2019 to 10/12/2019. The HODs are informed to set Question Papers of all subjects for 50 marks for 2 hours and forward the same to the Email-Id: internalmradc@gmail.com by 28/11/2019 WITHOUT FAIL. Hard copies of Question Papers are not accepted.

*Anmalata H.*  
PRINCIPAL  
20/11/19  
M.R. Ambedkar Dental College & Hospital  
Bengaluru

To,  
All the HODs/Professors /staff in charge,  
Dr. BRAMC / MRADC.


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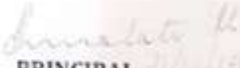
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Ref. No: MRADC/Invgl/E/331/2019-20 Date: 21/11/2019

### Theory Examination Time Table for I, II, III & IV BDS 1<sup>st</sup> Internals for Regular Batch students

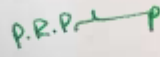
Date	09.30am to 11.30am	01.30pm-3.30pm
02/12/19	I BDS: General Anatomy III BDS: General Medicine	II BDS: General Pharmacology IV BDS: Oral Medicine
03/12/19	I BDS: General Physiology III BDS: General Surgery	II BDS: General Microbiology IV BDS: Oral Surgery
04/12/19	I BDS: General Biochemistry III BDS: Oral Pathology	II BDS: General Pathology IV BDS: Periodontia
05/12/19	I BDS: DADH	II BDS: Dental Materials IV BDS: Orthodontia
06/12/19	IV BDS: Public Health Dentistry	--
07/12/19	IV BDS: Pedodontia	--
09/12/19	IV BDS: Conservative Dentistry	--
10/12/19	IV BDS: Prosthodontia	--


The Clinicals / Practical Examinations are to be scheduled by  
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The HODs of all departments,  
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# MATHRUSRI RAMABAI AMBEDKAR DENTAL COLLEGE & HOSPITAL

(Founded by : Ananda Social & Educational Trust)  
ISO 9001:2015 CERTIFIED

Affiliated to Rajiv Gandhi University of Health Sciences  
Recognised by Dental Council of India

1/36, Cline Road, Cooke Town, Bengaluru - 560 005  
Ph: 080 - 2546 0747      www.mradc.in



M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

Ref. No: MRADC/Invgl/E-33/2019-20      Date: 21/11/2019

### Theory Examination Time Table for I, II, III & IV BDS 1<sup>st</sup> Internals for Regular Batch students


Date	09.30am to 11.30am	01.30pm-3.30pm
02/12/19	I BDS: General Anatomy III BDS: General Medicine	II BDS: General Pharmacology IV BDS: Oral Medicine
03/12/19	I BDS: General Physiology III BDS: General Surgery	II BDS: General Microbiology IV BDS: Oral Surgery
04/12/19	I BDS: General Biochemistry III BDS: Oral Pathology	II BDS: General Pathology IV BDS: Periodontia
05/12/19	I BDS: DADH	II BDS: Dental Materials IV BDS: Orthodontia
06/12/19	IV BDS: Public Health Dentistry	--
07/12/19	IV BDS: Pedodontia	--
09/12/19	IV BDS: Conservative Dentistry	--
10/12/19	IV BDS: Prosthodontia	--

The Clinicals / Practical Examinations are to be scheduled by  
the respective departments.

*Srinalata H*  
PRINCIPAL  
M.R. Ambedkar Dental College & Hospital  
Bengaluru-5

To,  
The HODs of all departments,  
MRADC / Dr. B.R.AMC&H, Bengaluru.


Copy to:  
1) The Chairman, G.C, MRADC  
2) The Hospital Suptd., MRADC  
3) The Administrative Officer / University Section, MRADC.  
4) Notice Board / Office copy.



*P.R.P.P*

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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

Ref. No: MRADC/CIR //533/2019-20 Date:21.11.2019

**CIRCULAR**


The I, II, III & IV BDS 1<sup>st</sup> Internal Examination for Regular Batch students will commence from 02/12/2019 to 10/12/2019. The HODs are informed to set Question Papers of all subjects for 50 marks for 2 hours and forward the same to the Email-Id:internalmradc@gmail.com by 28/11/2019 WITHOUT FAIL. Hard copies of Question Papers are not accepted.

*Amalata K.*  
PRINCIPAL  
M.R. Ambedkar Dental College & Hospital  
Bengaluru


To,  
All the HODs/Professors /staff in charge,  
Dr.BRAMC / MRADC.

Copy to:  
1)The Chairman, G.C,MRADC.  
2)The Hospital Suptd., MRADC  
3)The Administrative Officer / University Section MRADC.  
4)Office copy.

*P.R.P.*  
PRINCIPAL  
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Bengaluru - 560 005



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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

Ref. No: MRADC/CIR /1518(A)/2018-19 Date:02.03.2019

### CIRCULAR

The I, II, III & IV BDS 2<sup>nd</sup> **Internal Examinations** for **REGULAR Batch** students will commence from **11/03/2019 to 19/03/2019**. The HODs are informed to set Question Papers of all subjects for 50 marks for 2 hours and forward the same to the Email: [Id:internalmradc@gmail.com](mailto:internalmradc@gmail.com) by **08/03/2019 WITHOUT FAIL**.

**Hard copies of Question Papers are not accepted.**




To,  
All the HODs/Professors /staff in charge,  
Dr.BRAMC / MRADC.


*Anmalata K.*  
**PRINCIPAL** 02/02/19  
M.R. Ambedkar Dental College & Hospital  
Bangalore - 560 005

**Copy for information to:**  
1)The Hospital Suptd., MRADC  
2)The Manager, MRADC.  
3)Office copy.

*P.R.P.P.P*  
**PRINCIPAL**  
M.R. Ambedkar Dental College & Hospital  
Bengaluru - 560 005



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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

Ref. No: MRADC/Invgl/1518/2018-19      Date: 02.03.2019

### Theory Examination Time Table for I, II, III & IV BDS 2<sup>nd</sup> Internals for Regular Batch students

Date	09.30am to 11.30am	01.30pm-3.30pm
11.03.2019 Monday	II BDS - Gen Pharmacology III BDS - Gen Medicine	I BDS - Gen Anatomy IV BDS - Oral Medicine
12.03.2019 Tuesday	II BDS - Gen Pathology III BDS - Gen Surgery	I BDS - Gen Physiology IV BDS - Oral surgery
13.03.2019 Wednesday	II BDS - Gen Microbiology III BDS - Oral Pathology	I BDS - Gen. Biochemistry IV BDS - Periodontia
14.03.2019 Thursday	II BDS - Dental Materials	I BDS - DADH IV BDS - Orthodontia
15.03.2019 Friday	--	IV BDS - Public Health Dentistry
16.03.2019 Saturday	IV BDS - Conservative Dentistry	--
18.03.2019 Monday	--	IV BDS - Prosthodontics
19.03.2019 Tuesday	--	IV BDS - Pedodontia

The Clinicals / Practical Examinations are to be scheduled by  
the respective departments.



*Anurag K. H.*  
PRINCIPAL: 02 Mar 19  
M.R. Ambedkar Dental College & Hospital  
Bengaluru - 560 005


To,  
The HODs of all departments,  
MRADC / Dr. B.R.AMC&H, Bengaluru.  
**Copy for information to:**  
1) The Hospital Suptd., MRADC  
2) The Manager, MRADC.  
3) Notice Board / Office copy.

*P.R.P.*  
PRINCIPAL

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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

Ref. No: MRADC/CIR /637/2019-20 Date:04.04.2019


### CIRCULAR

The I, II, III & IV BDS 3<sup>rd</sup> Internals for **REGULAR Batch and 1<sup>st</sup> Internal Examination for Odd Batch** students will commence from **06/05/2019 to 15/05/2019**. The HODs are informed to set Question Papers of all subjects for 50 marks for 2 hours and forward the same to the [Email-Id:internalmradc@gmail.com](mailto:internalmradc@gmail.com) by **02/05/2019** **WITHOUT FAIL. Hard copies of Question Papers are not accepted.**

To,  
All the HODs/Professors /staff in charge,  
Dr.BRAMC / MRADC.

*Anjalata U.*  
**PRINCIPAL** 04/04/19  
M.R.Ambedkar Dental College & Hospital  
Bengaluru-5

**Copy for information to:**  
1)The Hospital Suptd., MRADC.  
2)The Manager, MRADC.  
3)Office copy.



*P.R.P.*  
**PRINCIPAL**  
M.R. Ambedkar Dental College & Hospital  
Bengaluru - 560 005



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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

Date: 04.04.2019

Ref. No: MRADC/Invgl/031/2019-20

## Theory Examination Time Table for L. II, III & IV BDS 3<sup>rd</sup> Internals for Regular Batch & 1<sup>st</sup> Internals for Odd Batch students

Date	09.30am to 11.30am	01.30pm-3.30pm
06-05-19	I BDS: General Anatomy III BDS: General Medicine	II BDS: General Pharmacology IV BDS: Oral Medicine
08-05-19	I BDS: General Physiology III BDS: General Surgery	II BDS: General Microbiology IV BDS: Oral Surgery
09-05-19	I BDS: General Biochemistry III BDS: Oral Pathology	II BDS: General Pathology IV BDS: Periodontia
10-05-19	I BDS: DADH	II BDS: Dental Materials IV BDS: Orthodontia
11-05-19	IV BDS: Public Health Dentistry	--
13-05-19	--	IV BDS: Pedodontia
14-05-19	--	IV BDS: Conservative Dentistry
15-05-19	--	IV BDS: Prosthodontia

The Clinicals / Practical Examinations are to be scheduled by  
the respective departments.

To,  
The HODs of all departments,  
MRADC / Dr. B.R.AMC&H, Bengaluru.

**Copy for information to:**

- 1) The Hospital Suptd., MRADC.
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- 3) Notice Board / Office copy.



*Anurata U.*

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PRINCIPAL

M.R. Ambedkar Dental College & Hospital  
Bangalore-5

*P.R.P.P*


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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

Ref. No: MRADC/LA Exam/2020-21 Date: 04.12.2020

**CIRCULAR**

The II,III & IV BDS 1<sup>st</sup> Internal Examination for ODD batch students will commence from **04.01.2021 to 12.01.2021**. The HODs are informed to set Question Papers of all subjects for 50 marks for 2 hours and forward the same to the [Email-Id:internalmradc@gmail.com](mailto:Email-Id:internalmradc@gmail.com) by 15.12.2020 WITHOUT FAIL.


Hard copies of Question Papers are not accepted.

\*Note : Internal Assessment Marks to be submitted before 20.01.2021 WITHOUT FAIL.

To,  
All the HODs/Professors/ staff In charges  
Dr.BRAMC / MRADC

**Copy to:**

- 1) The Chairman, G.C.MRADC
- 2) The Vice-Principal,MRADC
- 3) The Hospital Superintendent, MRADC
- 4) The A/O, & Manager, MRADC
- 5) The University section, MRADC
- 6) Office copy.



*Anuradha H.*  
PRINCIPAL  
M.R. Ambedkar Dental College & Hospital  
Bengaluru



*P.R.P.*

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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

Ref. No: MRADC/LA Exam/2415/2020-21 Date: 04.12.2020

## BDS. ODD. Batch I Internal Theory Examination

Date	09.30am to 11.30am	01.30pm-3.30pm
04-01-21	II BDS Gen Pharmacology III BDS Gen Medicine	IV BDS - Oral Medicine
05-01-21	II BDS Gen Pathology III BDS Gen Surgery	IV BDS - Oral surgery
06-01-21	II BDS Gen Microbiology III BDS Oral Pathology	IV BDS - Periodontia
07-01-21	II BDS Dental Materials	IV BDS - Orthodontia
08-01-21	--	IV BDS - Conservative Dentistry
09-01-21	IV BDS - Prosthodontics	--
11-01-21	--	IV BDS - Public Health Dentistry
12-01-21	--	IV BDS - Pedodontia

Clinical/Practical Examinations to be scheduled by the respective Departments

- To:  
The HODS of all departments, MRADC / Dr.B.RAMC  
Copy for information to:  
5) The Chairman, G.C. MRADC  
6) The Vice-Principal, MRADC  
7) The A/O. & Manager (Admin) MRADC.  
8) Notice Board / Office copy.



*Anuratah R.*  
PRINCIPAL  
M.R.A. Ambedkar Dental College & Hospital


*P.R.P.P.P*

PRINCIPAL

M.R. Ambedkar Dental College & Hospital  
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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

Ref. No: MRADC/Insgl/2283/2019-20      Date: 04/02/2020

### Theory Examination Time Table for I, II, III & IV BDS 2<sup>nd</sup> Internals for Regular Batch students

Date	09.30am to 11.30am	01.30pm-3.30pm
10/02/2020	I BDS: General Anatomy III BDS: General Medicine	II BDS: General Pharmacology IV BDS: Oral Medicine
11/02/2020	I BDS: General Physiology III BDS: General Surgery	II BDS: General Microbiology IV BDS: Oral Surgery
12/02/2020	I BDS: General Biochemistry III BDS: Oral Pathology	II BDS: General Pathology IV BDS: Periodontia
13/02/2020	I BDS: DADH	II BDS: Dental Materials IV BDS: Orthodontia
14/02/2020	IV BDS: Public Health Dentistry	--
15/02/2020	IV BDS: Pedodontia	--
17/02/2020	IV BDS: Conservative Dentistry	--
18/02/2020	IV BDS: Prosthodontia	--

The Clinicals / Practical Examinations are to be scheduled by  
the respective departments.

*Anuradha H.*  
PRINCIPAL  
M.R. Ambedkar Dental College & Hospital  
Bengaluru-5

To,  
The HODs of all departments,  
MRADC / Dr. B.R.AMC&H, Bengaluru.


Copy to:  
1) The Chairman, G.C, MRADC  
2) The Hospital Suptl., MRADC  
3) The Administrative Officer, MRADC  
4) The University Section, MRADC  
5) Notice Board / Office copy.



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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru - 560005.

Ref No: MRADC/LA- Year Table/2021-22      Date: 09/02/2022

### Theory Examination Time Table for I, II, III & IV BDS Final Internals for Odd Batch students

Date	09.30am to 11.30am	01.30pm - 3.30pm
24/02/2022	I BDS: General Anatomy III BDS: General Medicine	II BDS: General Pharmacology IV BDS: Oral Medicine
25/02/2022	I BDS: General Physiology III BDS: General Surgery	II BDS: General Microbiology IV BDS: Oral Surgery
26/02/2022	II BDS: General Pathology IV BDS: Periodontia	-
28/02/2022	I BDS: General Biochemistry III BDS: Oral Pathology	II BDS: Dental Materials IV BDS: Orthodontia
02/03/2022	I BDS: OADR IV BDS: Prosthodontia	-
03/03/2022	IV BDS: Public Health Dentistry	-
04/03/2022	IV BDS: Pedodontia	-
05/03/2022	IV BDS: Conservative Dentistry	-

The Clinicals / Practical Examinations are to be scheduled by  
the respective departments.



*Anurata H.*  
PRINCIPAL  
M.R. Ambedkar - 05<sup>th</sup> Feb 22  
Bengaluru - 560 005

To,  
The HODs of all departments,  
MRADC / Dr. B.R.AMCA&H, Bengaluru.

Copy to:  
1) The Chairman, G.C, MRADC  
2) The Administrative Officer, MRADC  
3) The University Section, MRADC  
4) Notice Board / Office copy.



*P.R.P.*  
PRINCIPAL  
M.R. Ambedkar Dental College & Hospital  
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M. R. Ambedkar Dental College & Hospital,  
1/36, Cline Road, Cooke Town, Bengaluru-560005.

Ref No: MRAIC/Invig/2021-22 Date: 08/02/2022

**Invigilation Schedule for Final Internal Examinations for Odd Batch students**

Date	09.00am to 11.00am	01.00pm to 03.00pm
24/02/2022	I.BDS: General Anatomy II.BDS: General Medicine Dr. Sudhanshu B Dr. Sunil K.P Dr. Ranjitha G Dr. Sureshtha S	II.BDS: General Pharmacology IV.BDS: Oral Medicine Dr. Kapuraj Dr. Chirpal Dr. Keerthana Dr. Rashmi JS
25/02/2022	I.BDS: General Physiology II.BDS: General Surgery Dr. Harim Dr. Rabinim Dr. Kapalakshmi Dr. Pooja Jain	II.BDS: General Microbiology IV.BDS: Oral Surgery Dr. Geetha S Dr. Archana Markande Dr. Vidhya K Dr. Mangala Jyothi
26/02/2022	II.BDS: General Pathology IV.BDS: Periodontia Dr. Akshitha Dr. Balraj Dr. Namjimmam Dr. Anita Giza James	---
28/02/2022	I.BDS: General Biochemistry II.BDS: Oral Pathology Dr. Mahadeva D.M Dr. Varun Shetty Dr. Suresh Khan Dr. Suresh Nar	II.BDS: Dental Materials IV.BDS: Orthodontia Dr. Deepak V Dr. Sumanth K.S Dr. Komal N Dr. Veekabith
02/03/2022	I.BDS: DADH IV.BDS: Prosthodontia Dr. Karthik Vaitveas Dr. Sindhu D Dr. Vaibhav N Dr. Vinetha Elavari	---
03/03/2022	IV.BDS: Public Health Dentistry Dr. Shilpa S R Dr. Shobha R	---
04/03/2022	IV.BDS: Pedodontia Dr. Shubani Shetty Dr. Rashmi N	---
05/03/2022	IV.BDS: Conservative Dentistry Dr. Shiva Prasad R.K Dr. Vaishali M.R	---

Note: Staff Proceeding on leave must make alternate arrangements for their invigilation duties and also strictly adhere to the time schedules.

To,  
All concerned staffs, MRAIC.  
Copy for information to:  
1) The Prof. & HODs of all departments, MRAIC  
2) The Administration Officer / University Section, MRAIC / Office copy.

*Anjalata H*  
PRINCIPAL  
Feb 08  
M.R. Ambedkar Dental College & Hospital  
Bengaluru-5




P.R.P.P

PRINCIPAL

M.R. Ambedkar Dental College & Hospital  
Bengaluru - 560 005

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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

Ref No: MRADC/CIR/2021-22 Date: 08/02/2022

### CIRCULAR


The I, II, III & IV BDS Final Internal Examination for Odd Batch students will commence from **24/02/2022 to 05/03/2022**. The HODs are informed to set Question Papers of all subjects for 50 marks for 2 hours and forward the same to the **Email-Id: [internalmradc@gmail.com](mailto:internalmradc@gmail.com) by 17/02/2022 WITHOUT FAIL. Hard copies of Question Papers are not accepted.**



To,  
All the HODs/Professors /staff in charge,  
Dr.BRANC / MRADC.

*Anilata H.*  
PRINCIPAL  
08 Feb 22  
M.R. Ambedkar Dental College & Hospital  
Bengaluru-560 005

**Copy to:**  
1) The Chairman, G.C, MRADC.  
2) The Administrative Officer, MRADC  
3) The University Section MRADC.  
4) Office copy.




*P.R.P.*

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Bengaluru - 560 005

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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

Ref. No: MRADC/LA- Time Table/2151/A /2021-22      Date: 25/02/2022

### Revised Theory Examination Time Table for I, II, III & IV BDS Final Internals for Odd Batch students


Date:	09.30am to 11.30am	01.30pm-3.30pm
25/02/2022	I BDS: General Physiology III BDS: General Surgery	II BDS : General Microbiology IV BDS : Oral Surgery
26/02/2022	II BDS : General Pathology IV BDS : Periodontia	--
28/02/2022	I BDS : General Biochemistry III BDS : Oral Pathology	II BDS : Dental Materials IV BDS : Orthodontia
02/03/2022	I BDS: DADH IV BDS : Prosthodontia	III BDS: General Medicine
03/03/2022	IV BDS: Public Health Dentistry	I BDS: General Anatomy II BDS: General Pharmacology
04/03/2022	IV BDS : Pedodontia	--
05/03/2022	IV BDS : Conservative Dentistry	--
07/03/2022	IV BDS: Oral Medicine	--

The Clinicals / Practical Examinations are to be scheduled by  
the respective departments.



To,  
The HODs of all departments,  
MRADC / Dr. B.RAMC&H, Bengaluru.

*Anurata H.*  
PRINCIPAL  
25<sup>th</sup> Feb 22  
PRINCIPAL  
M.R. Ambedkar Dental College & Hospital  
Bengaluru-560 005




**Copy to:**  
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2) The Administrative Officer, MRADC  
3) The University Section, MRADC.  
4) Notice Board / Office copy.

*P.R.P.P*

PRINCIPAL  
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Bengaluru - 560 005

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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru 560005

Date: 25/02/2022

Ref. No: MRAHC/Invgt/2151/2021-22

### Revised Invigilation Schedule for Final Internal Examinations for Odd Batch students

Date	09.00am to 11.00am	01.00pm - 3.00pm
25/02/2022	<b>LBDS: General Physiology</b> <b>III BDS: General Surgery</b> Dr. Harini Dr. Balasani Dr. Balalakshmi Dr. Pooja Jain	<b>II BDS: General Microbiology</b> <b>IV BDS: Oral Surgery</b> Dr. Geetha S Dr. Archana Markande Dr. Vidhya K Dr. Mangala Joshi
26/02/2022	<b>II BDS: General Pathology</b> <b>IV BDS: Periodontia</b> Dr. Alshatha Dr. Balaji Dr. Namjammami Dr. Anna Elina James	---
28/02/2022	<b>LBDS: General Biochemistry</b> <b>III BDS: Oral Pathology</b> Dr. Mahadeva D M Dr. Varun Shetty Dr. Sanjeev Khan Dr. Suresh Nair	<b>II BDS: Dental Materials</b> <b>IV BDS: Orthodontia</b> Dr. Deepak V Dr. Sumathi K S Dr. Komal N Dr. Veekshith
02/03/2022	<b>LBDS: DADH</b> <b>IV BDS: Prosthodontia</b> Dr. Karthik Vishwas Dr. Sindhu D Dr. Vaibhav N Dr. Vineela Dasari	<b>III BDS: General Medicine</b> Dr. Sushma B Dr. Sand S P
03/03/2022	<b>IV BDS: Public Health Dentistry</b> Dr. Lachma Gowda Dr. Shobha R	<b>LBDS: General Anatomy</b> <b>II BDS: General Pharmacology</b> Dr. Rupamali Dr. Keerthana Dr. Ranjitha G Dr. Sangaytha S
04/03/2022	<b>IV BDS: Pedodontia</b> Dr. Shubani Shetty Dr. Smitha Shetty	---
05/03/2022	<b>IV BDS: Conservative Dentistry</b> Dr. Shiva Prasad R K Dr. Vaishali M R	---
07/03/2022	<b>IV BDS: Oral Medicine</b> Dr. Neeraja R Dr. Kadhini N	---

*Note: Staff Proceeding on leave must make alternate arrangements for their invigilation duties and also strictly adhere to the time schedules.*

PRINCIPAL

To,  
All concerned staffs, MRAHC.  
Copy for information to:  
1) The Prof. & HoDs of all departments, MRAHC  
2) The Administrative Officer / University Section, MRAHC / Office copy.



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PRINCIPAL  
M.R. Ambedkar Dental College & Hospital  
Bengaluru - 560 005



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# MATHRUSRI RAMABAI AMBEDKAR DENTAL COLLEGE & HOSPITAL

(Founded by : Ananda Social & Educational Trust)  
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Affiliated to Rajiv Gandhi University of Health Sciences  
Recognised by Dental Council of India

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Ph: 080 - 2546 0747 www.mradc.in



M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

Ref. No: MRADC/LA- Time Table /2022-23

Date: 30/04/2022

## REVISED TIME TABLE for II, III & IV BDS First Internals Theory Examination (Regular Batch students) IQAC INITIATIVE

Date	09.30am to 11.30am	01.30pm-3.30pm
06/05/2022 (Friday)	II BDS : General Pharmacology III BDS: General Medicine	IV BDS : Oral Medicine
07/05/2022 (Saturday)	II BDS : General Microbiology III BDS : General Surgery	--
09/05/2022 (Monday)	II BDS : General Pathology III BDS : Oral Pathology	IV BDS : Periodontia
10/05/2022 (Tuesday)	II BDS : Dental Materials	IV BDS : Oral Surgery
11/05/2022 (Wednesday)	--	IV BDS : Prosthodontia
12/05/2022 (Thursday)	--	IV BDS : Pedodontia
13/05/2022 (Friday)	--	IV BDS : Conservative Dentistry
14/05/2022 (Saturday)	IV BDS: Public Health Dentistry	--
16/05/2022 (Monday)	--	IV BDS : Orthodontia

The Clinicals / Practical Examinations are to be scheduled by  
the respective departments.



*Anilata H.*  
PRINCIPAL  
M.R. Ambedkar Dental College & Hospital  
Bengaluru-560 005

To,  
The HODs of all departments,  
MRADC / Dr. B.R.AMC&H, Bengaluru.

**Copy to:**

- 1) The Chairman, G.C, MRADC
- 2) The Administrative Officer, MRADC
- 3) The University Section, MRADC
- 4) Notice Board / Office copy.



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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru-560005.

Ref. No: MRADC/Invgl/2022-23

Date: 30/04/2022

## Revised Invigilation Schedule for First Internals Theory Examinations for Regular Batch students IQAC INITIATIVE

Date	09.30am to 11.30am	01.30pm-3.30pm
06/05/2022 (Friday)	II.BDS : General Pharmacology II.BDS : General Medicine Dr. Rupaswathi Dr. Ranjitha G Dr. Keerthana Dr. Ahana Shetty	IV.BDS : Oral Medicine Dr. Sushma Bodhakar Dr. Sunil S P
07/05/2022 (Saturday)	II.BDS : General Microbiology II.BDS : General Surgery Dr. Rimal N Dr. Geetha S Dr. Vidhya K Dr. Mangala Jyothi	--
09/05/2022 (Monday)	II.BDS : General Pathology II.BDS : Oral Pathology Dr. Vaithav N Dr. Venkatesh Dr. Narayana Dr. Mahadeva D M	IV.BDS : Periodontia Dr. Vinodha Desai Dr. Archana Marikonde
10/05/2022 (Tuesday)	II.BDS : Dental Materials Dr. Rajalakshmi Dr. Pooja Jain	IV.BDS : Oral Surgery Dr. Rukmini J N Dr. Rashmi N
11/05/2022 (Wednesday)	--	IV.BDS : Prosthodontia Dr. Sumanth K S Dr. Sindhu D
12/05/2022 (Thursday)	--	IV.BDS : Pedodontia Dr. Karthik Dr. Suresh S Nair
13/05/2022 (Friday)	--	IV.BDS : Conservative Dentistry Dr. Deepak V Dr. Sanobhar Khan
14/05/2022 (Saturday)	IV.BDS : Public Health Dentistry Dr. Anu Eliza Dr. Belara J B V	--
16/05/2022 (Monday)	--	IV.BDS : Orthodontia Dr. Harini Dr. Akshatha

Note: Staff Proceeding on leave must make alternate arrangements for their invigilation duties and also strictly adhere to the time schedules.

To,  
All concerned staffs, MRADC.

Copy for information to:

- 1) The PrinC & HODs of all departments, MRADC
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*Anvalata H.*  
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M. R. Ambedkar Dental College & Hospital,  
# 1/36, Cline Road, Cooke Town, Bengaluru 560005.

Ref. No. MRADC/CIR /2022-23 Date: 30/04/2022

## REVISED CIRCULAR

### IQAC INITIATIVE

The II, III & IV BDS **First Internal Examinations for Regular Batch** students is re-scheduled and will commence from 06/05/2022 to 16/05/2022. The HODs / Professors are informed to set Question Papers of all subjects for 50 marks for 2 hours and forward the same to the **Email-Id: [internalmradc@gmail.com](mailto:internalmradc@gmail.com)** by **04/05/2022 WITHOUT FAIL. Hard copies of Question Papers are not accepted.**




*Annalata U.*  
**PRINCIPAL**  
Principal  
M.R. Ambedkar Dental College & Hospital  
Bengaluru-560 005

To,  
All the HODs/Professors /staff in charge,  
Dr.BRAMC / MRADC.


**Copy to:**

- 13) The Chairman, G.C,MRADC.
- 14) The Administrative Officer, MRADC
- 15) The University Section MRADC.
- 16) Office copy.



*P.R.P.P*  
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M. B. Ambedkar Dental College & Hospital,  
1/36, Cline Road, Cooke Town, Bengaluru - 560005.


Ref. No. MRADN/C/18 /5/1 /2021-22 Date: 07/01/2022

### CIRCULAR

The Final Internal Examinations for Ist BDS students (Odd Batch) is scheduled from 17/07/2022 to 19/07/2022.

The HODs / Professors are informed to set Question Papers of all subjects for 50 marks for 2 hours and forward the same to the [Email-Id:internalmradc@gmail.com](mailto:internalmradc@gmail.com) by 08/06/2022 WITHOUT FAIL. Hard copies of Question Papers are not accepted.


The Internal Marks may be submitted BY 20/07/2022 WITHOUT FAIL.




*Anurata H.*  
PRINCIPAL  
*07 July 2022*

To,  
All the HODs/Professors /staff in charge,  
Dr.BRAMC / MRADC.

Copy to:  
1)The Chairman, G.C.MRADC.  
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M. R. Ambedkar Dental College & Hospital,  
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Ref No: MRADC/1A/Time Table/5177/2022-23      Date: 07/07/2022

### Final Internals Theory Examination Time Table for 1 BDS for Odd Batch students



Date	09.30am to 11.30am
11/07/2022 Monday	1 BDS: DADH
12/07/2022 Tuesday	1 BDS: General Physiology
13/07/2022 Wednesday	1 BDS: General Biochemistry
14/07/2022 Thursday	1 BDS: Dental Materials

The Clinicals / Practical Examinations are to be scheduled by  
the respective departments.

To,  
The HODs of all departments,  
MRADC / Dr. B.R.AMC&H, Bengaluru.

*Anuradha U.*  
**PRINCIPAL**  
07<sup>th</sup> July 22

Copy to:  
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Ref No: MRACN/Diag/371/2022-23

Date: 07/07/2022

## Invigilation Schedule

Final Internals Theory Examination Time Table for 1st BDS  
for Odd Batch students

Date	09.30am to 11.30am
11/07/2022 Monday	LBDS: DADH Dr. Sangreetha S Dr. Chaitra K R
12/07/2022 Tuesday	LBDS: General Physiology Dr. Varun Shetty Dr. Anand M
13/07/2022 Wednesday	LBDS: General Biochemistry Dr. Laghna Gowda Dr. Bindu Ramesh
14/07/2022 Thursday	LBDS: Dental Materials Dr. Vaishali M R Dr. Manjunath G S



NOTE: Staff Proceeding on leave must make alternate arrangements for their invigilation duties and also strictly adhere to the time schedules.

To,  
All concerned staffs, MRADC.

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*Anilata H.*  
PRINCIPAL  
07 July '22




*P.R.P.P.P*

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## HOUSE SURGEONS POSTINGS

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## MATHRUSRI RAMABAI AMBEDKAR DENTAL COLLEGE. 1/36, CLINE ROAD, COOKE TOWN, BANGALORE-560 005.

CLINICAL BATCHES FOR HOUSE SURGEONS WHO PASSED IV BDS EXAMINATION OF  
JUNE- 2018.

SL NO	BATCH	REG NO.	NAME OF THE CANDIDATE
1.	BATCH-I	14D3402	ADIBA FATHIMA
2.		14D3404	AISHLA JAIN
3.		14D3405	AISHWARYA L
4.		14D3408	AKHILA T. ALEXANDER
5.		14D3409	ALIA MOHAMMED ISMAIL
6.		14D3410	ANEETHA B A
7.		14D3411	ANU NAINA
8.	BATCH-II	14D3412	APDORVA GOPI
9.		14D3414	ASWATHY V
10.		14D3415	ATHIRA C S
11.		14D3419	BOLA BABBY
12.		14D3420	BRIJIT MARY JOSE
13.		14D3422	EKA GOPAN
14.	BATCH-III	14D3423	EVA V JOHN
15.		14D3424	FARAH AHMED R
16.		14D3425	FATHIMA SAFA
17.		14D3426	GAYATHRI SATHYANATHAN
18.		14D3427	GAYATHRI SANKERNARAYAN
19.		14D3428	GOPIKA I MONOJ
20.	BATCH-IV	14D3429	GOPIKA R
21.		14D3430	GREESHMA M S
22.		14D3432	INDU PADMA KUMAR
23.		14D3433	JANAKI SHAW K
24.		14D3434	KEERTHANA CHAND C S
25.		14D3435	KONANKI MAMATHA
26.	BATCH-V	14D3436	KRISHNA PRABHA D
27.		14D3437	MATHEWS THAMPI
28.		14D3439	N SUGANYA
29.		14D3440	NEELIMA CHANSSERY
30.		14D3441	NIDA AYESHA
31.		14D3442	NIDHI
32.		14D3443	NIKHITHA D'SOUZA




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33.	BATCH-VI	14D3447	PRASHANT SRIVASTAVA
34.		14D3449	PRERANA KOTHARI S
35.		14D3450	PRIYANKA SANKLECH
36.		14D3452	RASHMI R
37.		14D3453	RIYA SABU
38.		14D3455	S MAHIMA
39.	BATCH-VII	14D3456	SAI VENNILA C
40.		14D3457	SANA FATHIMA
41.		14D3458	SARANYA KRISHNA K
42.		14D3459	SHABNA U K
43.		14D3461	SHARMEEN HAMID
44.		14D3463	SHOA AFTAB
45.	BATCH-VIII	14D3464	SHUBHAM TRIPATHI
46.		14D3465	SIDHI STARSON
47.		14D3467	SNEHA PRADEEP
48.		14D3468	SONALI RANKA M
49.		14D3469	SOUMA SHANKER MUKHERJI
50.		14D3470	SREE LAKSHMI M. S
51.	BATCH-IX	14D3471	SUBHALAXMI JAYARAM
52.		14D3472	SUSANNA JOHN VARGHESE
53.		14D3473	TULIKA PATTNAK
54.		14D3474	UTKARSHINI
55.		14D3477	ALIN ELIZABETH SAJU
56.		14D3478	ANJALI KRISHNAN R
57.	BATCH-X	14D3480	DHANYA ANN VARGHESE
58.		14D3481	FIZA SAGEER
59.		14D3482	HAJIRA KHANNUM
60.		14D3483	HANA HAJIRA NASEEEM
61.		13D3452	SHEERAZ AHMED
62.		12D3440	PAVITHRA R
63.	BATCH-XI	11D3445	DIKSHITA NEWAR
64.		11D3451	IMNASENLA LONG KUMAR
65.		10D3430	MEHADI YAHYA
66.		10D3474	THOKCHOM KABITA DEVI
67.		08D3461	ALAM KHAN
68.		07D3474	SARICA NONGBET




*Anasata H.*  
PRINCIPAL 29/05/18  
M.R.Ambedkar Dental College & Hospital  
Bengaluru-8

*P.P.P.P*

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1/36, CLINE ROAD, COOKE TOWN, BANGALORE-560 005.

\*  
CLINICAL BATCHES FOR HOUSE SURGEONS WHO PASSED IV BDS EXAMINATION OF JUNE-2019

SL. NO	BATCH	REG. NO.	NAME OF THE CANDIDATE
1		1503401	SHIFF ANAND
2		1503402	SHIFF SUMAN
3	BATCH-I	1503403	ARAVINDA
4		1503404	ALISHA RAJESH
5		1503406	AMRIT KAPUR
6		1503407	ANURITA ANANDRATAN
7		1503408	ANURITA B
8		1503409	ANITA RINDE
9	BATCH-II	1503410	ANALI PRIYA
10		1503411	ANJANA KANAKA
11		1503412	ARVIND MARY SAJI
12		1503413	ATITHA ATOR SHARMA
13		1503414	ANNA ROY
14		1503415	ANUPREYA JYOTINA
15	BATCH-III	1503416	ST PREETHI
16		1503419	DEVIKA S PILLAI
17		1503420	JAYU K AJITH
18		1503421	ADWINY S
19		1503422	S ANPITHA RAJAKRISHN
20		1503423	SHY SHRUTI JAIN
21	BATCH-IV	1503424	GOPWAL KAGUDRAI
22		1503427	JAYSHA JOY S
23		1503428	JAYITHA C
24		1503429	K R STEENA JYOTHA
25		1503430	SAATHVA VAR
26	BATCH-V	1503431	KEVIN ADWANATYAN
27		1503432	SHRIGADATHY KURRA
28		1503433	LAVINA LAKSH
29		1503434	N. ARABILA
30		1503434	MANASA M H
31	BATCH-VI	1503437	MUSHAMMAD SHARIF
32		1503437	MUSHAMMAD SHARIF
33		1503441	MUSHAMMAD JABBARALI
34		1503442	SHREYAS HATHI
35		1503443	PAVITHRA SUDHAKARAY
36		1503444	RACHAL GEORGE
37		1503442	RANSHITMA V
38		1503448	RAJESH MISHRA
39	BATCH-VII	1503447	REKHA RAO
40		1503449	RENU V GOPAL
41		1503449	RIYA MATHEW F
42		1503450	SAGARNA
43		1503452	SARANI
44		1503452	SHREYAS SHARADHA
45	BATCH-VIII	1503454	SHWETA SAINI
46		1503455	SUNIL GUNGAN KALISHORAB
47		1503457	SAPNA DEKAR D
48		1503458	ATREYI CHAITR MATHEW
49		1503460	SUDHAK C
50		1503463	SUNDELA P SHREYAS
51	BATCH-IX	1503462	ARJUN MUSKANA SHAR
52		1503460	SHARDA RAJESH
53		1503469	SHYU SURESH
54		1503471	SHRIVANSA DAINARAY
55		1503472	SIMRAN SAND S
56		1503474	SUJATA JAYSHANKAR
57	BATCH-X	1503482	MR. MADHU KAVYAL
58		1503473	SARVJITHA B
59		1403475	SARVJITHA S
60		1403486	SARVJITHA ANU ANAM
61		1503445	SHRIVANI SHAR
62	BATCH-XI	1503440	SHIVAN HATHI
63		9003419	TANUJAN PACHAI SHIBIRI
64		9703492	SHREYAS FAIR AMBED


*Anurata*  
**PRINCIPAL**  
M.R. Ambedkar Dental College & Hospital  
Bengaluru - 560 005



*P.R.P.L.P*  
**PRINCIPAL**

M.R. Ambedkar Dental College & Hospital  
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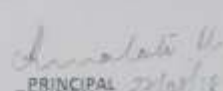
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Ph: 080 - 2546 0747      www.mradc.in

**M R AMBEDKAR DENTAL COLLEGE & HOSPITAL**  
1/36, Cline Road, Cooke Town, Bangalore-05

BATCH FOR 1<sup>ST</sup> ROUND CLINICAL POSTING OF HOUSE SURGEON WHO PASSED IVTH RDS EXAMINATION OF JUNE-2018 WITH IMMEDIATE EFFECT FROM 27.08.2018

SL NO	BATCH	27.08.18 TO 26.09.18	27.09.18 TO 26.10.18	27.10.18 TO 26.11.18	27.11.18 TO 26.12.18	27.12.18 TO 26.01.19	27.01.19 TO 26.02.19	27.02.19 TO 26.03.19	27.03.19 TO 26.04.19	27.04.19 TO 26.05.19	27.05.19 TO 26.06.19	27.06.19 TO 27.07.19
1	I	ORAL MED	ORAL PATH	ORTHO	PEDO	PHD	PERIO	PHD	CONS	PROSTH	ORAL SUR	PHD/AMC
2	II	ORAL PATH	ORTHO	PEDO	PHD	PERIO	PHD	CONS	PROSTH	ORAL SUR	PHD/AMC	ORAL MED
3	III	ORTHO	PEDO	PHD	PERIO	PHD	CONS	PROSTH	ORAL SUR	PHD/AMC	ORAL MED	ORAL PATH
4	IV	PEDO	PHD	PERIO	PHD	CONS	PROSTH	ORAL SUR	PHD/AMC	ORAL MED	ORAL PATH	ORTHO
5	V	PHD	PERIO	PHD S	CONS	PROSTH	ORAL SUR	PHD/AMC	ORAL MED	ORAL PATH	ORTHO	PEDO
6	VI	PERIO	PHD	CONS	PROSTH	ORAL SUR	PHD/AMC	ORAL MED	ORAL PATH	ORTHO	PEDO	PHD
7	VII	PHD	CONS	PROSTH	ORAL SUR	PHD/AMC	ORAL MED	ORAL PATH	ORTHO	PEDO	PHD	PERIO
8	VIII	CONS	PROSTH	ORAL SUR	PHD/AMC	ORAL MED	ORAL PATH	ORTHO	PEDO	PHD	PERIO	PHD
9	IX	PROSTH	ORAL SUR	PHD/AMC	ORAL MED	ORAL PATH	ORTHO	PEDO	PHD	PERIO	PHD	CONS
10	X	ORAL SUR	PHD/AMC	ORAL MED	ORAL PATH	ORTHO	PEDO	PHD	PERIO	PHD	CONS	PROSTH
11	XI	PHD/AMC	ORAL MED	ORAL PATH	ORTHO	PEDO	PHD	PERIO	PHD	CONS	PROSTH	ORAL SUR


  
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**M R AMBEDKAR DENTAL COLLEGE & HOSPITAL**  
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BATCH FOR 1<sup>ST</sup> ROUND CLINICAL POSTING OF HOUSE SURGEON WHO PASSED IVTH BDS EXAMINATION OF JUNE-2019  
WITH EFFECT FROM 25.10.2019

Sl. No	BATCH	25.10.2019	26.10.2019	27.10.2019	28.10.2019	29.10.2019	30.10.2019	31.10.2019	01.11.2019	02.11.2019	03.11.2019	04.11.2019
		TU	TU	TU	TU	TU	TU	TU	TU	TU	TU	TU
1	I	ORAL PATH	AMCH	ORTHO	PEDO	PHD	PERIO	PROSTHO	CONS	PHD	ORAL SUR	ORAL MED
2	II	ORAL MED	ORAL PATH	AMCH	ORTHO	PEDO	PHD	PERIO	PROSTHO	CONS	PHD	ORAL SUR
3	III	ORAL SUR	ORAL MED	ORAL PATH	AMCH	ORTHO	PEDO	PHD	PERIO	PROSTHO	CONS	PHD
4	IV	PHD	ORAL SUR	ORAL MED	ORAL PATH	AMCH	ORTHO	PEDO	PHD	PERIO	PROSTHO	CONS
5	V	CONS	PHD	ORAL SUR	ORAL MED	ORAL PATH	AMCH	ORTHO	PEDO	PHD	PERIO	PROSTHO
6	VI	PROSTHO	CONS	PHD	ORAL SUR	ORAL MED	ORAL PATH	AMCH	ORTHO	PEDO	PHD	PERIO
7	VII	PERIO	PROSTHO	CONS	PHD	ORAL SUR	ORAL MED	ORAL PATH	AMCH	ORTHO	PEDO	PHD
8	VIII	PHD	PERIO	PROSTHO	CONS	PHD	ORAL SUR	ORAL MED	ORAL PATH	AMCH	ORTHO	PEDO
9	IX	PEDO	PHD	PERIO	PROSTHO	CONS	PHD	ORAL SUR	ORAL MED	ORAL PATH	AMCH	ORTHO
10	X	ORTHO	PEDO	PHD	PERIO	PROSTHO	CONS	PHD	ORAL SUR	ORAL MED	ORAL PATH	AMCH
11	XI	AMCH	ORTHO	PEDO	PHD	PERIO	PROSTHO	CONS	PHD	ORAL SUR	ORAL MED	ORAL PATH

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Nov-2020

CLINICAL BATCHES FOR HOUSE SURGEONS WHO PASSED IV BDS EXAMINATION OF JANUARY 2019

SL NO	BATCH	REG NO.	NAME OF THE CANDIDATE
1	BATCH-I	1803401	ADITI SINGH
2		1803402	AJULINA MATHY
3		1803403	AMANDJEET KOUR HULJAN
4		1803404	AMRITA SURESH
5		1803405	ANV MARHA DIVESH
6	BATCH-II	1803411	ATHIRA S RAJ
7		1803412	B SAHANA
8		1803413	KALAMMA
9		1803414	SHASHEE JYOTI BORJHA
10		1803415	SHAVYA SHAFY NAB
11	BATCH-III	1803416	CHANDAN K P
12		1803417	CHERISHA SAKRY THOMAS
13		1803418	CHINTU P JOHNY
14		1803419	CHRISTINE SHEKA CRUZTA
15		1803420	DAREN VARGHESE
16	BATCH-IV	1803421	DIKSHA VERMA
17		1803422	DILSANKH RUFANK
18		1803423	GURMANPREET SINGH
19		1803424	HARISH L R
20		1803425	JUSTIN JOHNSON A
21	BATCH-V	1803433	KRITHIKA U N
22		1803434	MANAV KJ
23		1803435	MINATI JAGDEV
24		1803436	MD FAHYA WASEEM M
25		1803437	MOHAMED HANSA
26	BATCH-VI	1803440	NAVYA SHREE B
27		1803441	NEERVA D N
28		1803442	NIRUPAMA B
29		1803443	PRADHNA S
30		1803444	REYANHEAR ROY
31	BATCH-VII	1803445	RACHEL SHERIN
32		1803446	RANVA B L
33		1803447	RITHIK S
34		1803448	ROHAN
35		1803449	SHABITHA V N
36	BATCH-VIII	1803450	SHIFA SHINE
37		1803451	SRUTHI K
38		1803452	SURANYA MAHANTA
39		1803454	SUNITHA SHREE S
40		1803457	SYEDA SHARQUL MARYAM
41	BATCH-IX	1803458	TANYA SINHA
42		1803459	TIYASA RAY
43		1803461	VAIBHAVI PATEL
44		1803463	VARDHA P
45		1803463	ZARIN TASNIM
46	BATCH-X	1803470	SHIVANI SHWARI BASUJAL
47		1803479	SMAN RHODAPARAST
48		1803488	SNEHANA SREE S
49		1803414	SAHAREN BEHZADI
50		1103467	ASHWINI S
51	1103478	MARIA CHERIAN	
52	0903484	SMRUTI PARNA PANDA	
53	0803482	SUNITA B DASAR	

*Anurati K*  
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FIRST ROUND CLINICAL POSTING BATCHES OF IVTH B.D.S STUDENTS OF SEPT-22 EXAMINATION.

Sl. No.	BATCHES	REG.No.	NAME OF THE CANDIDATES
1	I	19D0903	A SRUSTI ✓
2		19D0904	ABHILASHANANDI ✓
3		19D0905	ABHISHEK K B
4		19D0906	AFREEN MALLICK
5		19D0907	AFSA ASHAR ✓
6		19D0908	AISHWARYA P
7		19D0909	ALAN ANTONY
8		19D0910	AMIRA NIGAR
9		19D0912	ANEEQUAH KHANUM ZIA ✓
10		19D0913	ANEHSSHA REDDY R ✓
11		19D0914	ANILA PRIYA BABU ✓
12		19D0916	ARITRA ADHIKARY
13	II	19D0918	ASISHA C RAJ
14		19D0920	BHAVANI G A
15		19D0921	C VANDITHA
16		19D0922	CHANDANA B ✓
17		19D0924	CHARITHA M ARJUN
18		19D0925	DANIYA MUSKAAN
19		19D0926	DEEPA ANAND
20		19D0928	FATEMA HATIM ABBAS
21		19D0929	G RAGHAV ✓
22		19D0930	GAGANA SHREE G V
23	III	19D0932	HARSHITHA V
24		19D0933	INCHARA I
25		19D0934	INFANT JESTENA M
26		19D0937	KAVYA K
27		19D0938	KRISHNA GADHA AS
28		19D0939	KUHELI SENGUPTA ✓
29		19D0940	LAVANYA
30		19D0941	MANSI CHAUHAN
31	IV	19D0942	MANUSHREE M
32		19D0945	MOHAMED DANISH H NAMAZI
33		19D0948	MUSKAN S
34		19D0949	MYTHRI DEVARAJ
35		19D0950	NADA FATHIMA AZAM ✓
36		19D0951	NADIA NEYAZ
37		19D0952	NANDITHA S
38		19D0954	NIKHIL N M
39	V	19D0956	PATWARI SAMIKSHA PRADEEP
40		19D0958	PAVAN KALYAN H M
41		19D0961	RAAJIV S
42		19D0962	RAGHAVI G S
43		19D0963	RUQAIYA BAND ✓
44		19D0965	S SAMIKSHA
45	19D0970	SANDHYA S	



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FIRST ROUND CLINICAL POSTING BATCHS OF 3RD B.D.S STUDENTS OF SEPT-22 EXAMINATION.

Sl.No	BATCH	REG.No.	NAME OF THE CANDIDATES
1	I	20D1021	A ZOYA MEHAK
2		20D1022	AAMINA IMBAN
3		20D1024	ALIZA DAS
4		20D1026	ANUGRAH ASHOK
5		20D1027	BALACHANDRA R
6		20D1028	BANU SUHAS C.A ✓
7		20D1030	BHAVANA G N
8		20D1033	BHAVANA VADAV A
9		20D1032	BHAVANI G V
10	II	20D1033	BHAVYA KA
11		20D1034	BHAVYASHREE N
12		20D1035	BUSHRA AMAN
13		20D1036	DARSHINI G M
14	III	20D1038	FAUSTINE FEDORA NOEL
15		20D1040	GANDAM MOUNIKA
16		20D1042	GUL AFSHAN
17		20D1044	HARSHIT JAIN
18		20D1045	HUBA SHAIKH
19		20D1046	HUSNA SIDDIQUA
20		20D1047	J S JEETHENDRA
21		20D1049	KAVYA SURESH SATTIGERU
22		20D1052	LIKITH PRASAD M
23		20D1053	M FARZEEN ANSARI
24	IV	20D1057	MOHAMMED APNAN ALI
25		20D1059	MOHAMMED ADNAN ✓
26		20D1060	MRSUJITHA ✓
27		20D1062	NIKHITHA R
28		20D1064	PISA ASHA
29		20D1063	POOJA JANGALI
30	V	20D1066	PRAVEENA RAJAN P
31		20D1067	PRAVEENKUMAR HUGAR
32		20D1068	PRIYANKA M GUNDALI
33		20D1069	RAHEEMA S S
34		20D1070	RAKESH N RAJ
35		20D1072	JANANI S
36		20D1074	SADIA IRFAN SHARIFF ✓
37	VI	20D1076	SHAISTHA REHMAN
38		20D1077	SHEETAL
39		20D1079	SHREYAS ISHWAR POOJAR
40		20D1080	SIDRAMAYYA L ✓
41		20D1081	SWATHI J S
42		20D1083	SYED M D MUHEETH
43	VII	20D1085	THEERTHA ASHISH
44		20D1087	UMME AIMAN SHARIF
45		20D1088	UMME SARA
46		20D1090	ZAINAB SANEEN RASHEEDH
47		20D1091	ZERA FIRDOUSE K
48		19D0985	SUHANA SURENDER
49		16D3425	FATIMA
50	VIII	19D0946	MRISHMITA CHANDA
51		19D0947	MUFEEZ AHMED SHARIFF
52		18D0935	DEHNAZ AANISH AHMED ✓
53		18D0943	KHRIKETOUZO TSUKRU
54		18D0966	KITIKA SHARMA
55		18D0992	SYEDA TINNAT AMAN
56		17D3436	NIKHIL PATIL
57	17D3465	KONERU KUNDAN	
58	17D3474	RAJESHWARI K C	



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FIRST ROUND CLINICAL POSTING OF IIIIRD B D S STUDENTS OF sept-22 EXAMINATION . WITH EFFECT FROM 17.10.2022

Sl NO	BATCH	17.10.2022	17.11.2022	17.12.2022	17.01.2023	17.02.2023	17.03.2023	17.04.2023	17.05.2023
		TO 16.11.2022	TO 16.12.2022	TO 16.01.2023	TO 16.02.2023	TO 14.03.2023	TO 15.04.2023	TO 16.05.2023	TO 16.06.2023
		I	II	III	IV	V	VI	VII	VIII
1	I	ORAL MED	ORAL SURG	PROSTHO	ORTHO	PEDO	PERIO	PHD	CONS
2	II	ORAL SURG	PROSTHO	ORTHO	PEDO	PERIO	PHD	CONS	ORAL MED
3	III	PROSTHO	ORTHO	PEDO	PERIO	PHD	CONS	ORAL MED	ORAL SUR
4	IV	ORTHO	PEDO	PERIO	PHD	CONS	ORAL MED	ORAL SUR	PROSTH
5	V	PEDO	PERIO	PHD	CONS	ORAL MED	ORAL SUR	PROSTH	ORTHO
6	VI	PERIO	PHD	CONS	ORAL MED	ORAL SUR	PROSTH	ORTHO	PEDO
7	VII	PHD	CONS	ORAL MED	ORAL SUR	PROSTH	ORTHO	PEDO	PERIO
8	VIII	CONS	ORAL MED	ORAL SUR	PROSTH	ORTHO	PEDO	PERIO	PHD

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FIRST ROUND CLINICAL POSTING BATCHES OF ~~2018-2019~~ <sup>2019-2020</sup> OF DEPT. 22 EXAMINATION

Sl. No.	BATCHES	REG. No.	NAME OF THE CANDIDATES
1	I	18D0915	AAMRAPALI MAJUMDAR
2		18D0917	AFIYA TARANNUM
3		18D0918	ALEETA ANIL
4		18D0919	ANAGHA K JOHN
5		18D0920	ANANYA MISHRA
6		18D0921	ANUSUYA ROY
7	II	18D0923	APRATIM GANGULY
8		18D0924	ASHITHA RAJEEV
9		18D0925	ASMA JAMAL LARI
10		18D0926	AUN MOHAMMED KAMDAR
11		18D0928	AZEEZA A
12		18D0929	AZRA SHABEER
13	III	18D0931	CHAITRA B M
14		18D0932	CHAITRA V C
15		18D0933	CHANDANA P
16		18D0937	DHANANJAY J N
17		18D0942	JYOTISHMITA DEKA
18		18D0944	KHUSHBOO NARENDRA SHARMA
19	IV	18D0945	SHALINI GUPTA
20		18D0946	LATHA P
21		18D0947	MAHEK SHARMA
22		18D0948	MAHRUKH
23		18D0950	MOHAMMED AHMED SHERIFF
24		18D0953	MOULYA MURALI N M
25	V	18D0954	N DISHA
26		18D0957	NAVYA MARIAM MANOJ
27		18D0959	NIDHI J SHETTY
28		18D0960	NIKITA SINGH
29		18D0962	PRAPUL R
30		18D0963	PRIYA GUPTA
31	VI	18D0965	RISHIKA P
32		18D0967	RITU GHOSH
33		18D0969	ROHEWAL DEVIKA DEVENDER
34		18D0974	SHAIK FAIZAAN AHMED
35		18D0983	SREEDEVI C S
36		18D0984	SRETTY ANIL



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37	VII	18D0987	SURBHI
38		18D0990	SYED MUQADAS H INAMDAR
39		18D0991	SYEDA FARHEEN MOIN
40		18D0993	TWINKLE KAR
41		18D0995	VIJAYALAXMI PATIL
42		18D0996	YAMINI D
43	VIII	18D0998	ZAFAR ARWA SHARIQUE
44		18D0999	ZAYEBA LONE
45		18D1000	ZOYA ANJUM
46		18D1002	HIBAH MUHAMMAD
47	IX	17D3431	MONALI SAIKA
48		17D3454	SUSHMITA G G
49		17D3466	LAKSHYA SAINI
50		17D3472	POOJA
51		17D3477	SALEHA ANJUM
52		17D3493	SIMRAN MARY MATHEW
53		17D3496	SYEDA NABEELA JALAL
54		14D3490	HANNA PETER
55	X	17D3486	YASIR ARFAT
56		15D3413	ANWESH K
57		15D3476	AMIR ABBAS RAZAGHI
58		14D3418	BALRAJ S
59		14D3431	HAVISHMATI SHEKAR
60		12D3494	SALAM ASHIS SINGH




*Anurata K.*  
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FIRST ROUND CLINICAL POSTING OF UGDD B.D.S STUDENTS OF MARCH 2022 EXAMINATION, WITH EFFECT FROM 09.05.2022

SL NO	BATCH	09.05.22 TO 23.05.22	24.05.22 TO 07.06.22	08.06.22 TO 22.06.22	23.06.22 TO 07.07.22	08.07.22 TO 22.07.22	23.07.22 TO 06.08.22	08.08.22 TO 22.08.22	23.08.22 TO 06.09.22
		I	II	III	IV	V	VI	VII	VIII
1	I	ORAL MEDICINE	ORAL SURGERY	PROSTHODONTICS	ORTHODONTICS	PERIODONTICS	PERIODONTICS	PUBLIC HEALTH	CONSERVATIVE
2	II	ORAL SURGERY	PROSTHODONTICS	ORTHODONTICS	PERIODONTICS	PERIODONTICS	PUBLIC HEALTH	CONSERVATIVE	ORAL MEDICINE
3	III	PROSTHODONTICS	ORTHODONTICS	PERIODONTICS	PERIODONTICS	PUBLIC HEALTH	CONSERVATIVE	ORAL MEDICINE	ORAL SURGERY
4	IV	ORTHODONTICS	PERIODONTICS	PERIODONTICS	PUBLIC HEALTH	CONSERVATIVE	ORAL MEDICINE	ORAL SURGERY	PROSTHODONTICS
5	V	PERIODONTICS	PERIODONTICS	PUBLIC HEALTH	CONSERVATIVE	ORAL MEDICINE	ORAL SURGERY	PROSTHODONTICS	ORTHODONTICS
6	VI	PERIODONTICS	PUBLIC HEALTH	CONSERVATIVE	ORAL MEDICINE	ORAL SURGERY	PROSTHODONTICS	ORTHODONTICS	PERIODONTICS
7	VII	PUBLIC HEALTH	CONSERVATIVE	ORAL MEDICINE	ORAL SURGERY	PROSTHODONTICS	ORTHODONTICS	PERIODONTICS	PERIODONTICS
8	VIII	CONSERVATIVE	ORAL MEDICINE	ORAL SURGERY	PROSTHODONTICS	ORTHODONTICS	PERIODONTICS	PERIODONTICS	PUBLIC HEALTH

  
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M. R. AMBEDKAR DENTAL COLLEGE AND HOSPITAL			
1/36, CLINE ROAD COOKE TOWN BANGALORE-05			
LIST OF HOUSE SURGEONS, WHO PASSED IVTH BDS EXAMINATION OF FEB-2023			
SL NO	REG. NO	STUDENTS NAME	BATCH
1	18D0913	A FATHIMA U ZOHRA	BATCH I
2	18D0927	AYESHA YUSRA TANVEER	
3	18D0936	DEVISH VINITH	
4	18D0964	RAMYASHREE V	BATCH II
5	18D0970	S KAMINI VISHWAKARMA	
6	18D0973	SANKRITI AGARWAL	
7	18D0975	SHAIK MAHABOOBUNISA BEGUM	BATCH III
8	18D0977	SHREYA DINESH PODUVAL	
9	18D0981	SONU V	
10	18D0986	SUNDAR MOHAN DODAMANI	BATCH IV
11	18D0988	SYED JAWAD	
12	18D0989	SYED MOHAMMED BASHAR	
13	17D3403	ABHINAV VINOD	BATCH V
14	17D3413	DARSHAN K	
15	17D3426	LEO PHILIP JOSE	
16	17D3464	KARAVIR SUDHERA	BATCH VI
17	17D 3468	MISBAH TOUHEED	
18	17D3478	SANJUKTA MAHANTA	
19	16D3405	AMARANATH. B	BATCH VII
20	18D0914	A SAI RAMYA BHAVANA	
21	18D0939	HARSHITA	
22	18D0955	N INDRA PRIYA	BATCH VIII
23	18D0922	APOORVA	
24	18D1001	RPHITH KUMAR BELAGAM	
25	17D3419	HARIS AMEEN	BATCH IX
26	17D3481	SHAMILA PRAVEEN C X	
27	17D3489	ATUL PAKHIRA	
28	12D3475	MAHAL WASEEMAKRAM	BATCH X
29	11D3429	ABDUL RAHIM.P.A	




*Anurag H.*  
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**FIRST ROUND CLINICAL POSTING OF IVTH B.D.S STUDENTS OF 2021-22 EXAMINATION, WITH EFFECT FROM 17-10-2022**

SL NO	BATCH	17.10.2022	17.11.2022	17.12.2022	17.01.2023	17.02.2023	17.03.2023	17.04.2023	17.05.2023
		TO 16.11.2022	TO 16.12.2022	TO 16.01.2023	TO 16.02.2023	TO 16.03.2023	TO 16.04.2023	TO 16.05.2023	TO 16.06.2023
		I	II	III	IV	V	VI	VII	VIII
1	I	ORAL MEDICINE	ORAL SURGERY	PROSTHODONTICS	ORTHODONTICS	PEDIODONTICS	PERIODONTICS	PUBLIC HEALTH	CONSERVATIVE
2	II	ORAL SURGERY	PROSTHODONTICS	ORTHODONTICS	PEDIODONTICS	PERIODONTICS	PUBLIC HEALTH	CONSERVATIVE	ORAL MEDICINE
3	III	PROSTHODONTICS	ORTHODONTICS	PEDIODONTICS	PERIODONTICS	PUBLIC HEALTH	CONSERVATIVE	ORAL MEDICINE	ORAL SURGERY
4	IV	ORTHODONTICS	PEDIODONTICS	PERIODONTICS	PUBLIC HEALTH	CONSERVATIVE	ORAL MEDICINE	ORAL SURGERY	PROSTHODONTICS
5	V	PEDIODONTICS	PERIODONTICS	PUBLIC HEALTH	CONSERVATIVE	ORAL MEDICINE	ORAL SURGERY	PROSTHODONTICS	ORTHODONTICS
6	VI	PERIODONTICS	PUBLIC HEALTH	CONSERVATIVE	ORAL MEDICINE	ORAL SURGERY	PROSTHODONTICS	ORTHODONTICS	PEDIODONTICS
7	VII	PUBLIC HEALTH	CONSERVATIVE	ORAL MEDICINE	ORAL SURGERY	PROSTHODONTICS	ORTHODONTICS	PEDIODONTICS	PERIODONTICS
8	VIII	CONSERVATIVE	ORAL MEDICINE	ORAL SURGERY	PROSTHODONTICS	ORTHODONTICS	PEDIODONTICS	PERIODONTICS	PUBLIC HEALTH


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**1ST ROUND CLINICAL PORTALS OF DENTIST REGISTRATION WHO PASSED INTO 1<sup>ST</sup> EXAMINATION OF SEPT-22, WITH EFFECT FROM 01.10.2022**

S.NO	SECTION	Nov-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
		I	II	III	IV	V	VI	VII	VIII	IX	X
1	I	ORAL MED	ORAL SUR	PERI	PERI	ORTHOD	AMCR	PERI	ORTHOD	PROSTHO	ORAL PATHO
2	II	ORAL SUR	PERI	PERI	ORTHOD	AMCR	PERI	ORTHOD	PROSTHO	ORAL PATHO	ORAL MED
3	III	PERI	PERI	ORTHOD	AMCR	PERI	ORTHOD	PROSTHO	ORAL PATHO	ORAL MED	ORAL SUR
4	IV	PERI	ORTHOD	AMCR	PERI	ORTHOD	PROSTHO	ORAL PATHO	ORAL MED	ORAL SUR	PERI
5	V	ORTHOD	AMCR	PERI	ORTHOD	PROSTHO	ORAL PATHO	ORAL MED	ORAL SUR	PERI	PERI
6	VI	AMCR	PERI	ORTHOD	PROSTHO	ORAL PATHO	ORAL MED	ORAL SUR	PERI	PERI	ORTHOD
7	VII	PERI	ORTHOD	PROSTHO	ORAL PATHO	ORAL MED	ORAL SUR	PERI	PERI	ORTHOD	AMCR
8	VIII	ORTHOD	PROSTHO	ORAL PATHO	ORAL MED	ORAL SUR	PERI	PERI	ORTHOD	AMCR	PERI
9	IX	PROSTHO	ORAL PATHO	ORAL MED	ORAL SUR	PERI	PERI	ORTHOD	AMCR	PERI	ORTHOD
10	X	ORAL PATHO	ORAL MED	ORAL SUR	PERI	PERI	ORTHOD	AMCR	PERI	ORTHOD	PROSTHO




*Anuradha K*  
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24/6/2022  
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BATCH FOR 1<sup>st</sup> ROUND CLINICAL POSTING OF HOUSE SURGEON WHO PASSED 7<sup>TH</sup> BDS EXAMINATION OF NOV-2020 WITH IMMEDIATE EFFECT FROM 28.07.2021

SL NO	BATCH	31.12.2020 TO 31.01.2021	31.01.2021 TO 31.03.2021	31.03.2021 TO 30.06.2021	31.06.2021 TO 30.09.2021	31.09.2021 TO 30.11.2021	31.11.2021 TO 30.01.2022	31.01.2022 TO 30.03.2022	31.03.2022 TO 30.05.2022	31.05.2022 TO 30.07.2022	31.07.2022 TO 30.09.2022	31.09.2022 TO 30.11.2022	31.11.2022 TO 30.01.2023
1	I	ORAL MED	ORAL SURG	PHD	PERIO	PEDO	PHD	CONS	PROSTH	AMCH	ORAL PATH	ORTH	ORAL MED
2	II	ORAL SURG	PHD	PERIO	PEDO	PHD	CONS	PROSTH	AMCH	ORAL PATH	ORTH	ORAL MED	ORAL SURG
3	III	PHD	PERIO	PEDO	PHD	CONS	PROSTH	AMCH	ORAL PATH	ORTH	ORAL MED	ORAL SURG	ORAL SURG
4	IV	PERIO	PEDO	PHD	CONS	PROSTH	AMCH	ORAL PATH	ORTH	ORAL MED	ORAL SURG	PHD	PERIO
5	V	PEDO	PHD	CONS	PROSTH	AMCH	ORAL PATH	ORTH	ORAL MED	ORAL SURG	PHD	PERIO	PEDO
6	VI	PHD	CONS	PROSTH	AMCH	ORAL PATH	ORTH	ORAL MED	ORAL SURG	PHD	PERIO	PERIO	PHD
7	VII	CONS	PROSTH	AMCH	ORAL PATH	ORTH	ORAL MED	ORAL SURG	PHD	PERIO	PERIO	PHD	CONS
8	VIII	PROSTH	AMCH	ORAL PATH	ORTH	ORAL MED	ORAL SURG	PHD	PERIO	PERIO	PHD	CONS	PROSTH
9	IX	AMCH	ORAL PATH	ORTH	ORAL MED	ORAL SURG	PHD	PERIO	PERIO	PHD	CONS	PROSTH	AMCH
10	X	ORAL PATH	ORTH	ORAL MED	ORAL SURG	PHD	PERIO	PEDO	PHD	CONS	PROSTH	AMCH	AMCH

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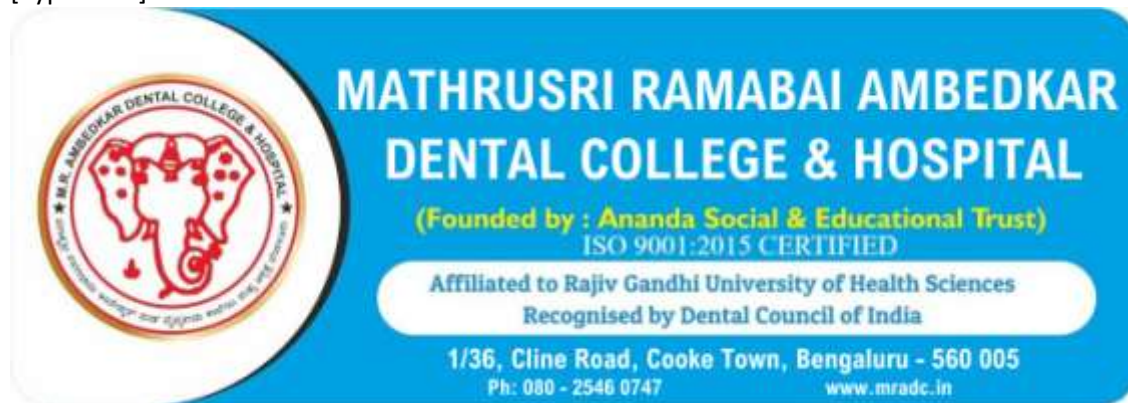
Principal  
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## PROGRAMME SPECIFIC LEARNING OUTCOMES

At the end of Undergraduate course, the student will be prepared with the following attributes

### ORAL MEDICINE AND RADIOLOGY

The following are the programme specific learning outcomes for the 2 year Undergraduate programme in the department.

The student should be able to

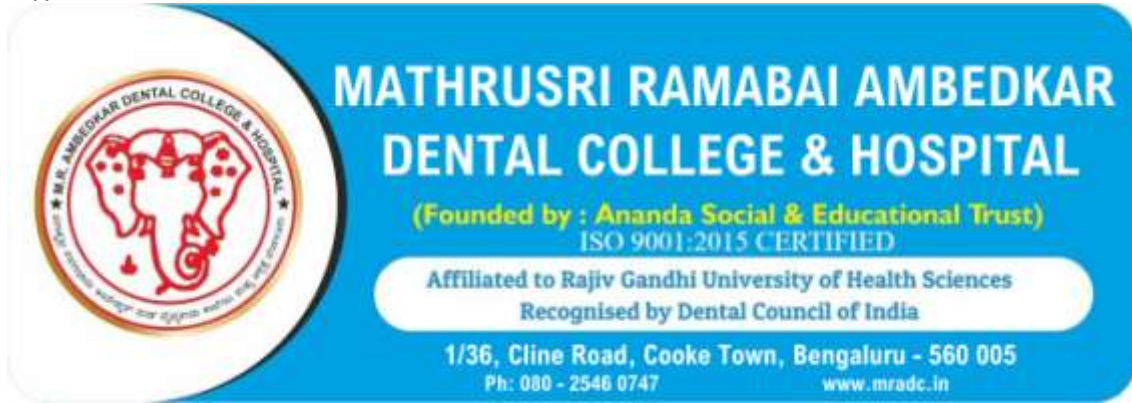
- To carry out clinical examination independently and arrive at a specific diagnosis.
- To identify the clinical symptoms and signs and diagnose the most common oral conditions and diseases.
- To identify the oral manifestations of systemic diseases.
- Dental management of medically related disorders affecting the oral and maxillofacial region.
- To handle medical emergencies on a dental chair.
- To carry out various chair side investigative procedures for oro mucosal lesions.
- To know and understand the basic concepts in Radiology.
- To know and efficiently manage about the protective measures of radiation for the patient as well as the operator.
- To efficiently take intra oral radiographs after understanding the techniques of intra oral radiographs.
- To efficiently process intra oral radiographs after understanding the various methods of processing of an X-ray film.



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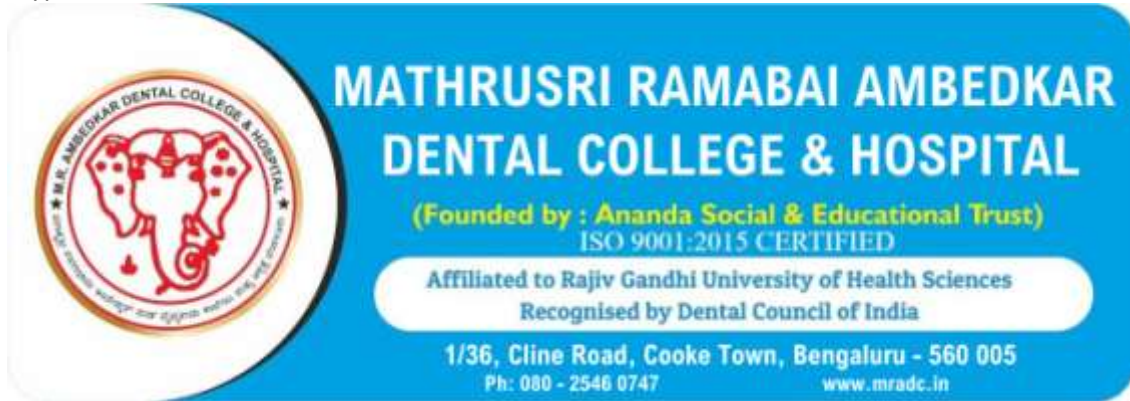


- To understand the principles of radiographic interpretation and independently interpret radiographs and arrive at radiographic diagnosis.
- To efficiently perform digital orthopantomography.
- To also know about the specialised imaging modalities.
- To effectively plan and formulate the treatment plan in a systematic way.

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## ORTHODONTICS AND DENTOFACIAL ORTHODONTICS

The following are course outcomes in teaching program in the 2 year Undergraduate programme in the Department of Orthodontics and Dentofacial Orthodontics. The student should be able to

- Define Orthodontics and their basic principles
- Understood the concepts of growth and development of arches, occlusion and associated craniofacial structures
- Classify and explain different malocclusions
- Explain different types of dental and skeletal malocclusions with their associated etiological factors
- Define, classify and explain different types of anchorage system used in Orthodontics
- Types of tooth movements, biomechanics and tissue reactions associated with it.
- To make upper and lower impressions, prepare study models and perform model analysis
- Identification of landmarks, analyse and interpret the radiographs for diagnosis and treatment plan
- Describe various laboratory procedures and various materials used in fabrication of Orthodontic appliances
- Know the etiology, various schools of retention and theories in retention and relapse
- Fabrication of removable appliances and retainers in Orthodontics
- Recognize and refer complex and severe Orthodontic cases to a specialist and for higher level care.

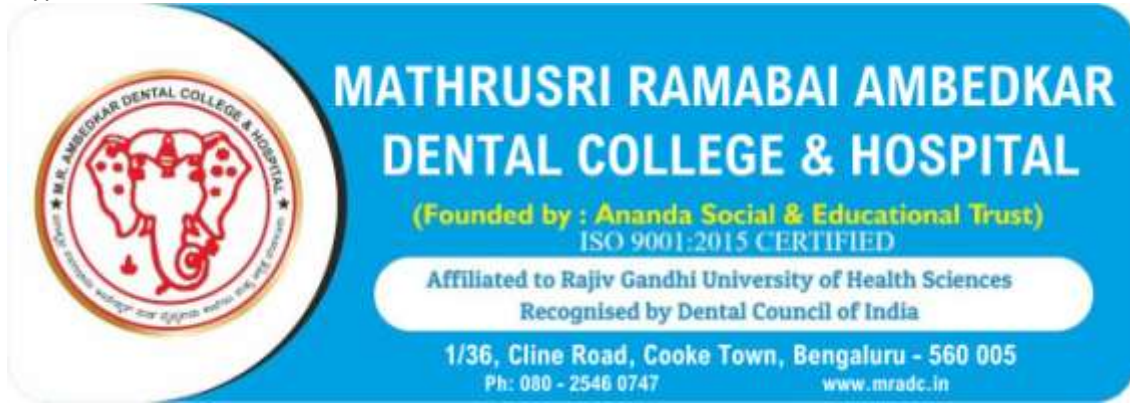


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## ORAL AND MAXILLOFACIAL SURGERY

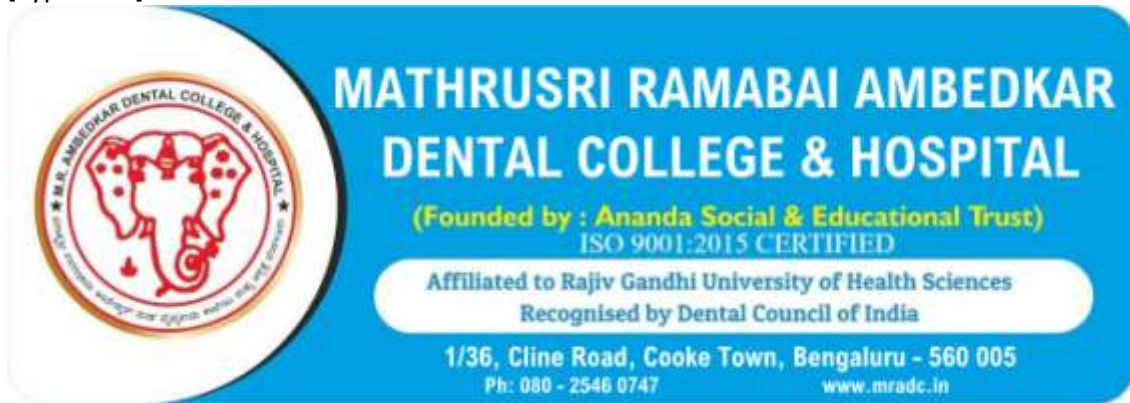
The following are the course outcomes for the two-year undergraduate program in the Department of Oral and Maxillofacial Surgery. The student should be able to:

- Acquire knowledge regarding the scientific and surgical principles required to provide Oral Maxillofacial surgical care and prevention of cross infection
- Apply the knowledge gained from basic science and clinical subjects (anatomy, physiology, biochemistry, pathology, microbiology, pharmacology, general medicine and general surgery) in the diagnosis and management of oral surgical problems.
- Record case history, perform clinical examination, order essential investigations and arrive at a final diagnosis.
- Plan the treatment and management of oral and maxillofacial problems.
- Competently diagnose and treat medically compromised patients with minor oral surgical problems
- Manage medical emergencies if any during the procedures.
- Perform competently extraction of tooth/teeth under local anaesthesia and proper follow-up care.
- Manage of intra/post-operative complications
- Ability to carry out simple minor oral surgical procedures such as alveoloplasty, frenectomy, incision and drainage, dental wiring and biopsy.



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## PEDIATRIC AND PREVENTIVE DENTISTRY

The following are the course outcome of the two- year undergraduate program in the department of Pediatric and Preventive Dentistry. By the end of the two- year program the student should be able to:

- Understand the principles and practices of Pediatric and Preventive Dentistry, from birth through adolescence including those with special healthcare needs.
- Record detailed case history, conduct clinical examination of the paediatric patient along with the diagnostic procedure and reach at the diagnosis.
- Plan a comprehensive treatment plan and treat appropriately.
- Understand the concept of growth and development and to clinically correlate with the developmental milestones of the child.
- Understand the concept of psychological development and behavioural changes in the child, and to use appropriate non- pharmacological behaviour management techniques on them.
- To relate to the current concept of dental caries in paediatric patients and correlate the same in the clinical situation along with the early preventive and interceptive management techniques.
- To have the knowledge of restorative dentistry along with various commercially available restorative materials like Glass Ionomer cement (Type1, 2 &9), composite resins and full coverage restorations like Stainless steel crowns, and other aesthetic crowns. To perform restorative treatment on the paediatric patient.
- To have the knowledge of different stages of development of occlusion and the use of appropriate appliance in prevention and interceptive of certain malocclusions and oral habits.
- To identify and differentiate the morphology of primary and permanent teeth.

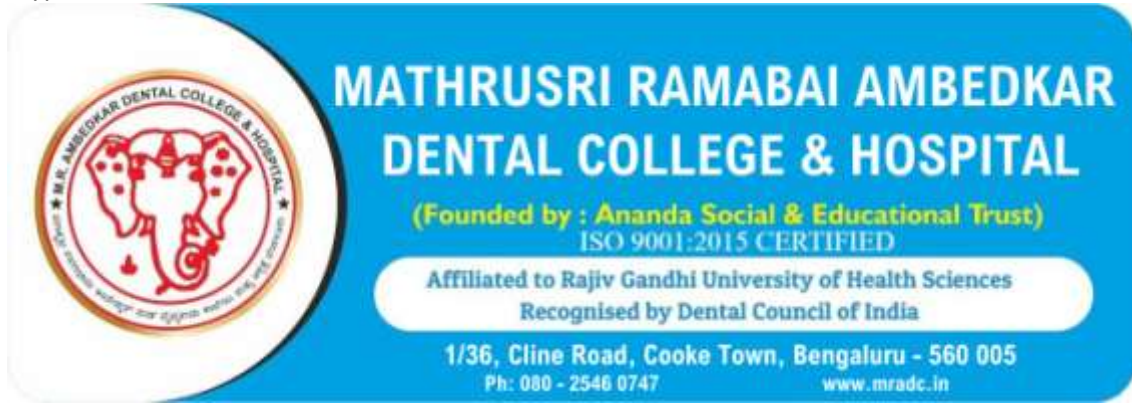


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- To have the knowledge of pulp therapies done on Primary and Permanent teeth along with the regenerative dentistry.
- To have the knowledge of difference in morphology and pathology of gingiva and to perform Oral prophylaxis along with topical fluoride application. To render oral hygiene instructions to the patients.
- To administer local anaesthesia along with extraction of the Primary teeth.
- Develop and render oral health education and participate in school dental health programs

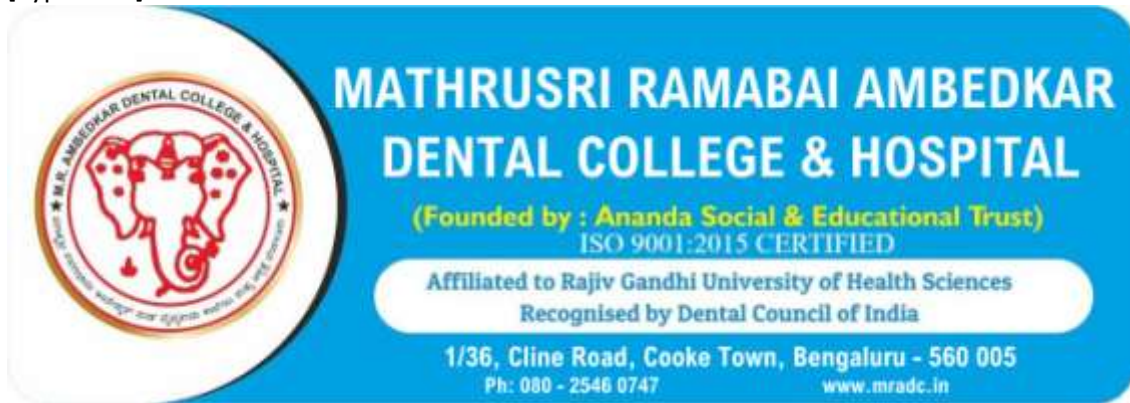


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## PERIODONTICS

The following are the course outcomes in the subject of periodontics for a BDS student as distributed under the three learning domains

### Knowledge:

- To have adequate knowledge and understanding of the etiology, pathophysiology, diagnosis & treatment planning of various periodontal problems.
- To have understood the periodontal surgical principles like pre and post surgical management of periodontal diseases.
- Essential knowledge of personal hygiene and infection control, prevention of cross infection and o safe disposal of hospital waste keeping in view the high prevalence of infectious disease



### Skills

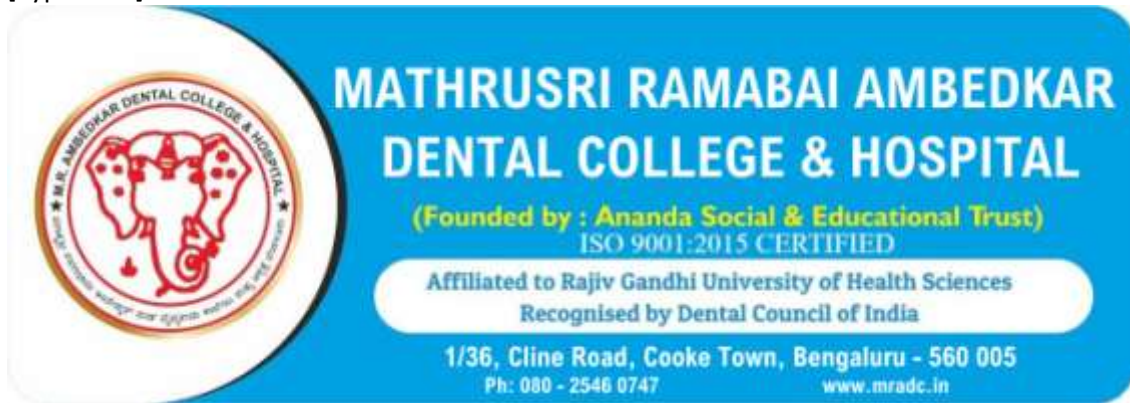
- To obtain proper clinical history, examination of the patient, perform diagnostic procedures and order essential laboratory tests and interpret them and to arrive at a provisional diagnosis about the periodontal condition.
- To perform with competence various periodontal nonsurgical procedures. To treat non-surgically the various periodontal diseases.

### Attitude:

- Periodontal surgical care is to be delivered irrespective of the social status, caste, creed or religion of the patient.

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- Willing to share the knowledge and clinical experience with professional colleagues.
- Respect patient right and privileges, including patients right to information and right to seek a second opinion
- Develop attitude to seek opinion from an allied medical and dental specialists as and when required.

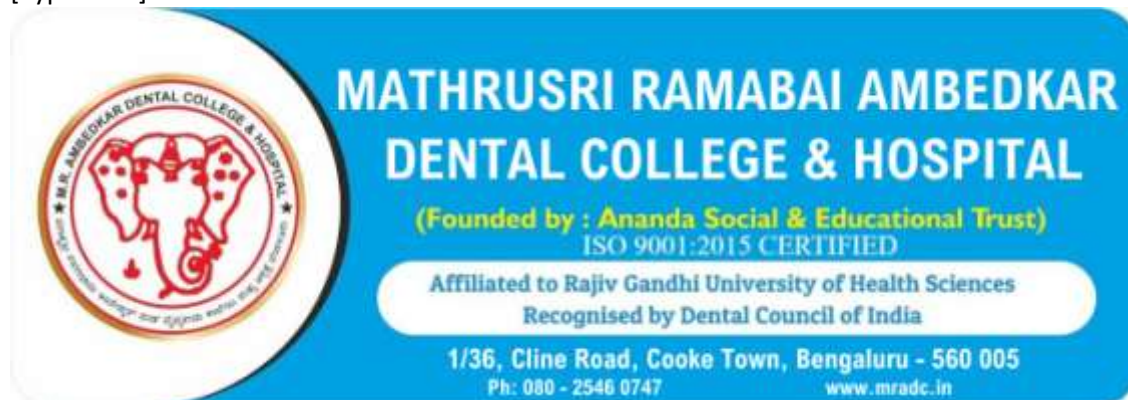
#### **Communicative Skills and Ability:**

- Develop adequate communication skills particularly with the patients giving them the various options available to manage a particular periodontal problem and obtain a true informed consent from them for the most appropriate treatment available at that point of time.
- Develop the ability to communicate with professional colleagues.
- Develop ability to teach undergraduates, present seminars and develop leadership skills



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## PROSTHODONTICS

The following are the course outcome of the two- year undergraduate program in the department of Prosthodontics. The students should be able to know

- Able to understand and use various dental materials
- Competent to carry out treatment of conventional complete and partial removable dentures and fabricate fixed partial dentures
- Able to carry out treatment of routine Prosthodontic procedures.
- Familiar with the concept of Osseointegration and the value of implant-supported Prosthodontic procedures
- To train the dental graduates so as to ensure higher level of competence in both general and specialty areas of Prosthodontics and prepare candidates with teaching, research and clinical abilities including prevention and after care in Prosthodontics – removable dental prosthodontics, fixed dental prosthodontics (Crown & Bridge), implantology, maxillofacial prosthodontics and esthetic dentistry.



### GENERAL OBJECTIVES OF THE COURSE:

Training program for the dental graduates in Prosthetic dentistry– removable dental prosthodontics, fixed dental prosthodontics (Crown & Bridge), implantology, maxillofacial prosthodontics and esthetic dentistry and Crown & Bridge including Implantology is structured to achieve knowledge and skill in theoretical and clinical laboratory, attitude, communicative skills and ability to perform research with a good understanding of social, cultural, educational and environmental background of the society. To have adequate acquired knowledge and understanding of applied basic and systemic medical sciences, both in general and in particularly of head and neck region.

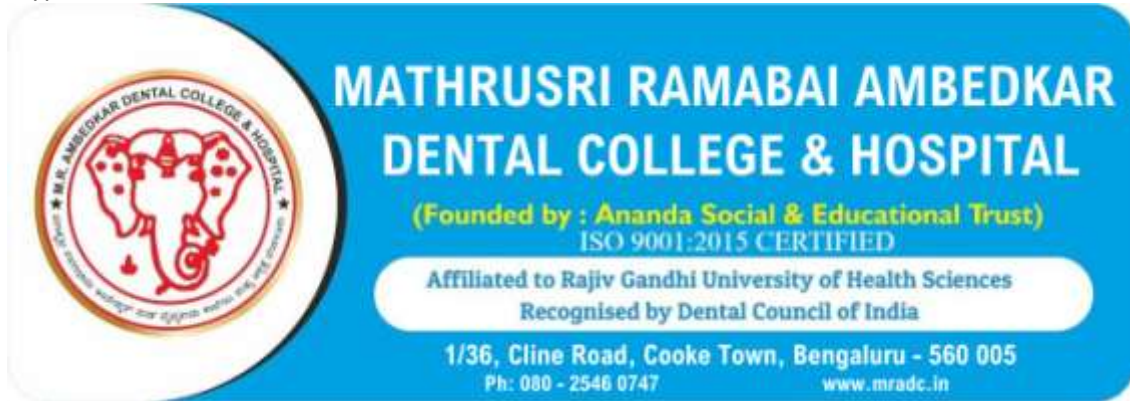
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## DENTAL ANATOMY AND DENTAL HISTOLOGY

At the end of undergraduate course, the student will be equipped with the following attributes-

### Objectives-

- The student be able to identify different teeth in different dentition
- Demonstrate knowledge about development of maxilla, mandible, palate, tongue lips and to state the congenital defects during their formation.
- Appreciate the morphological features of both sets of dentition i.e primary and permanent teeth, knowledge about its chronology, sequence of eruption, occlusion and various morphology.
- To outline the salient features of human dentition
- To differentiate between normal and pathological state of oral structures.
- To describe both microscopically and macroscopically the structure and functions of oral facial tissues through laboratory and clinical exercises.



### Skills-

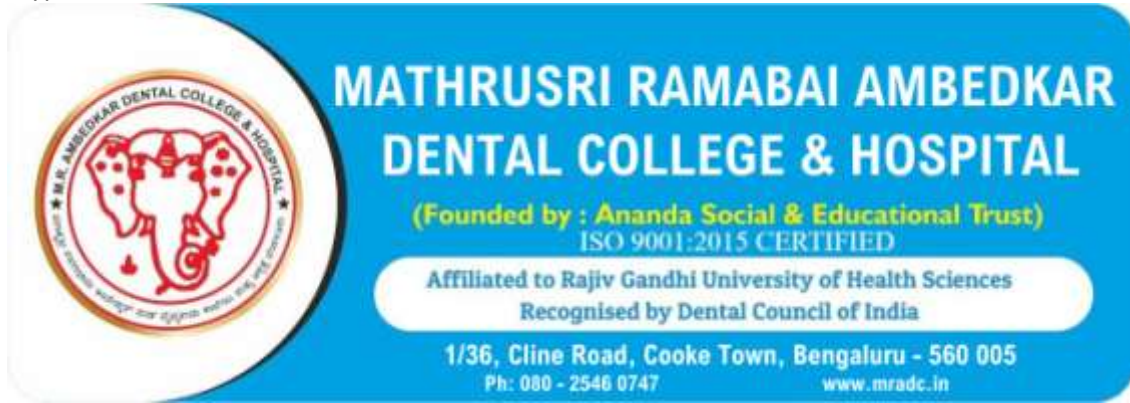
- To identify and describe any tooth by its morphology
- To be able to remember the chronology of both deciduous and permanent teeth
- To brief about physiological process of tooth development
- To describe functions of each anatomical part of teeth structures and its Clinical significance

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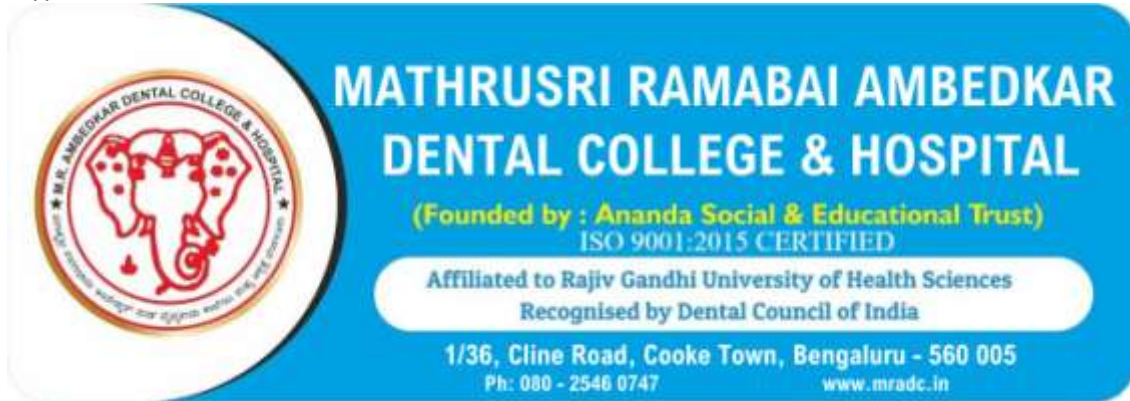


- To carve human teeth morphology in wax blocks
- To describe the types of dentition, dental formula and tooth numbering system
- To mention the pattern of tooth eruption and its clinical significance.

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## ORAL PATHOLOGY AND MICROBIOLOGY-

### Objectives-

To know the various developmental defects in relation to soft and hard tissues of oral cavity

To describe in detail about various potentially malignant disorders, benign and malignant neoplasms of head and neck region.

To know in detail the uses of oral histopathology, Biopsy, FNAC, Cytological examinations, frozen sections, immunohistochemistry.

To know the oral manifestations of systemic, metabolic disorders, bacterial, fungal and viral infections

To know the role of dentist in the field of forensic odontology

To know various form of salivary gland tumours, vesiculobullous lesions affecting oral cavity.

To know the procedure of tissue processing and staining



### Skills-

To be able to identify various development defect tooth specimens and mentions its morphological features

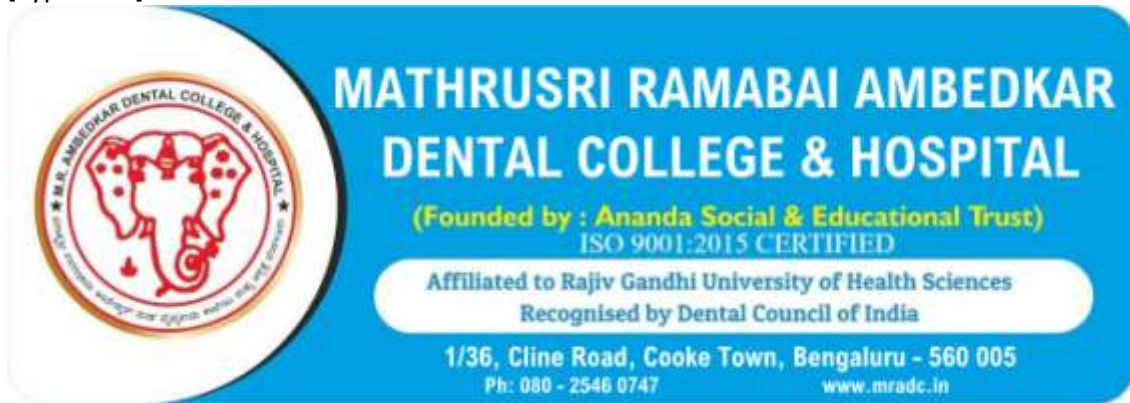
Writing oral histopathology and requisition form

Interpretation of pathological reports and data

Describe various pathological processes that involved in oral cavity and manifestations of common diseases, their diagnosis.

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Handling and maintenance of microscope

Preservation of surgical specimen for histopathology report

Discuss teeth anomalies, polymorphisms with the help of dental casts



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## DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

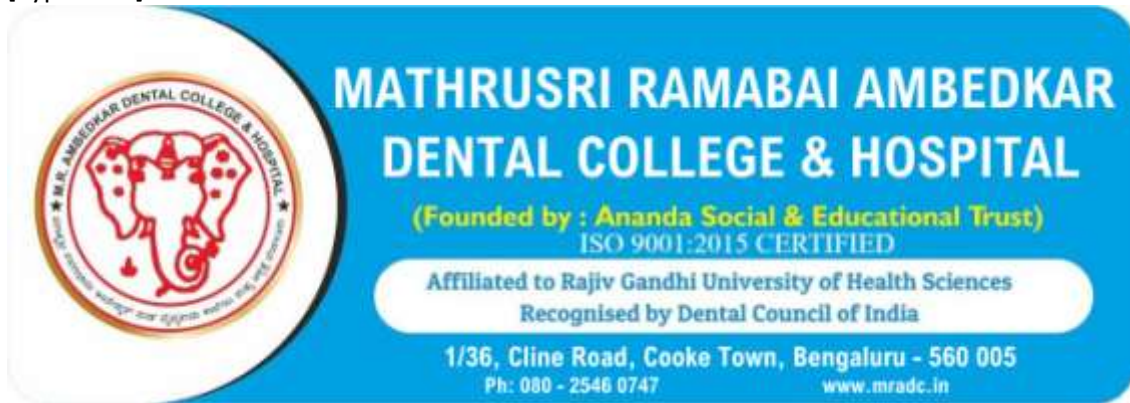
The following are the course outcomes for the two-year undergraduate program in the Department of Conservative Dentistry and Endodontics. The student should be able to:

- **Diagnosis and treatment planning:** Develop expertise in diagnosing and treatment planning for various dental conditions including caries, tooth fractures, and pulpal diseases. Understand the importance of thorough clinical examinations, radiographic interpretation, and patient history assessment.
- **Caries management:** Deep understanding of caries and its management. Learn about preventive measures, non-surgical interventions (such as fluoride application and sealants) and restorative techniques for carious lesions of different severities.
- **Dental materials:** Knowledge about different restorative materials used in conservative dentistry such as amalgam, composite resin and glass ionomer their indication properties, manipulation techniques and clinical considerations.
- **Tooth preparation:** Tooth preparation for various restorative treatments, including cavity preparation for amalgam and composite restoration.
- **Direct and indirect restorations:** Direct restoration such as composite resin filling and indirect restoration including inlays, onlays and crowns. Understand the principles of tooth preparation, material selection and cementation technique.
- **Endodontics:** Expertise in endodontic procedures including root canal treatment. Know about pulp anatomy, diagnosis of pulpal and periapical diseases, access cavity preparation, instrumentation, obturation techniques, and management of complication.



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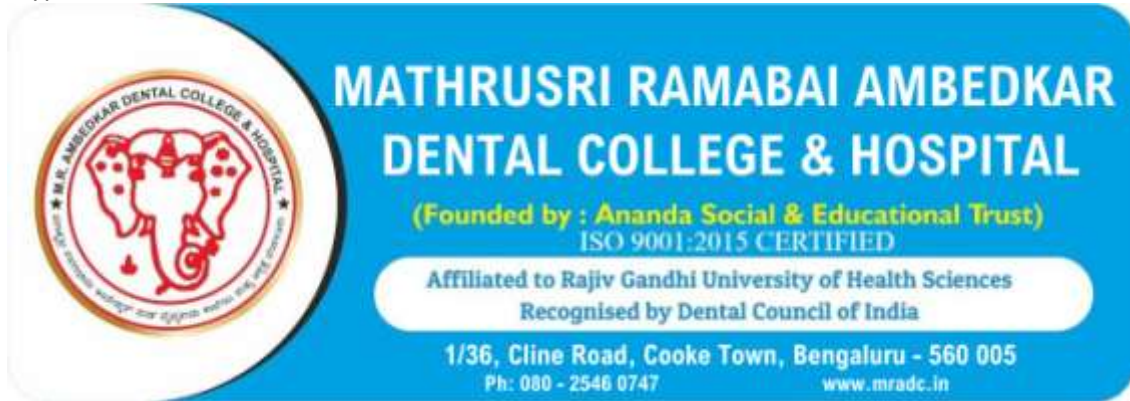


- **Pulpal and periapical diseases:** Understand the etiology, diagnosis and management of pulpal and periapical diseases such as irreversible pulpitis, pulpal necrosis, apical periodontitis and periapical abscess. Be familiar with different treatment options including vital pulp therapies and root canal treatments.
- **Endodontics retreatment and surgical endodontics:** Gain knowledge about retreatment of failed root canal treatments and surgical endodontic.
- **Traumatic dental injuries:** Learn about the diagnosis and management of traumatic dental injuries, including crown fracture, root fracture and luxation injuries.
- **Infection control and sterilization:** Develop strong foundation in infection control protocols including proper sterilization techniques and disinfection.



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## GENERAL SURGERY

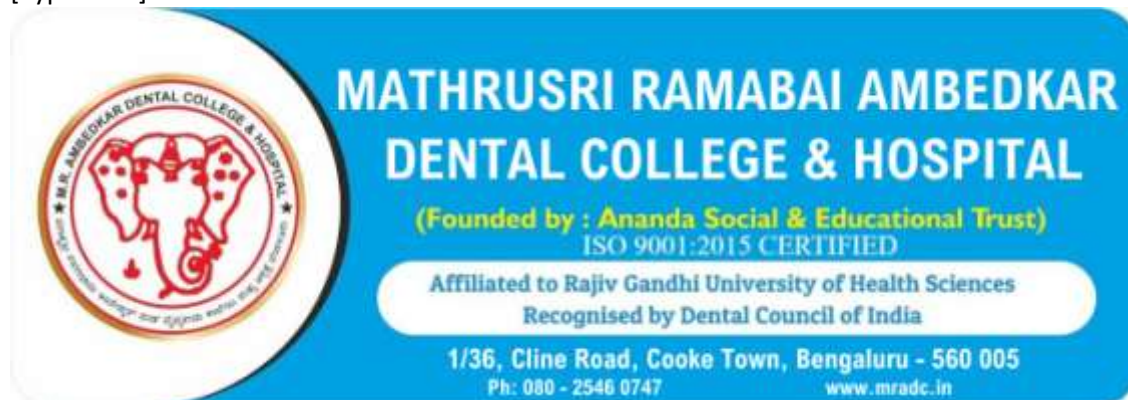
The following are the programme specific learning outcomes for the 1 year Undergraduate programme in the department. The student should be able to

- To acquaint the student with various diseases, which may require surgical expertise
- To train the student to analyse the history and be able to do a thorough physical examination of the patient.
- To understand, diagnose and manage the common surgical problems.
- To understand the diseases as related to head and neck region are to be given due importance, at the same time other relevant surgical problems are also to be addressed.
- To follow the principles of sterilization, asepsis and disinfection protocol.
- At the end of one year of study the student should have a good theoretical knowledge of various ailments, and be practically trained to differentiate benign and malignant diseases and be able to decide which patient requires further evaluation.
- Recognise and provide basic life support to patients who require it.



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## GENERAL MEDICINE

The following are the programme specific learning outcomes for the 1 year Undergraduate programme in the department. The student should be able to

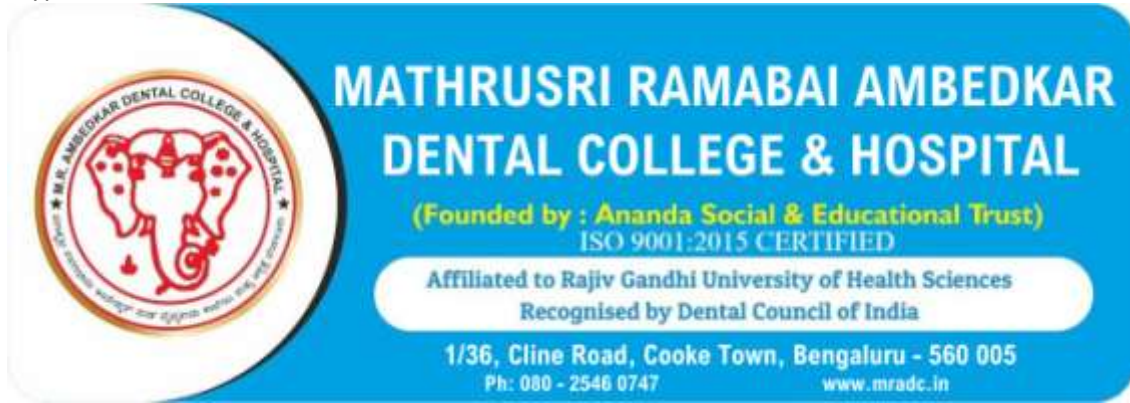
- To record the arterial pulse, blood pressure and be capable of suspecting by sight and superficial examination of the body – diseases of the heart, lungs, kidneys, blood etc.
- Should be capable of handling medical emergencies encountered in dental practice.
- Definitions of signs, symptoms, diagnosis, differential diagnosis treatment & prognosis.
- To know about Infections. Enteric fever, AIDS, herpes simplex, herpes zoster, syphilis diphtheria. Infectious mononucleosis mumps, measles etc.
- To know the importance of various diseases as applicable to dentistry.
- Special precautions/ contraindication of anaesthesia and various dental procedures in different systemic diseases
- To know about the Oral manifestations of systemic diseases.

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## GENERAL PATHOLOGY

The following are the programme specific learning outcomes for the 1 year Undergraduate programme in the department. The student should be able to

- To apply the scientific study of disease processes, which result in morphological and functional alterations in cells, tissues and organs to the study of pathology and the practice of dentistry.
- Enabling the student to demonstrate and apply basic facts, concepts and theories in the field of Pathology
- To recognize and analyse pathological changes at macroscopically and microscopical levels and explain their observations in terms of disease processes.
- To Integrate knowledge from the basic sciences, clinical medicine and dentistry in the study of Pathology.
- To demonstrate understanding of the capabilities and limitations of morphological Pathology in its contribution to medicine, dentistry and biological research.
- To demonstrate ability to consult resource materials outside lectures, laboratory and tutorial classes.

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## PHARMACOLOGY

The following are the programme specific learning outcomes for the 1 year Undergraduate programme in the department. The student should be able to

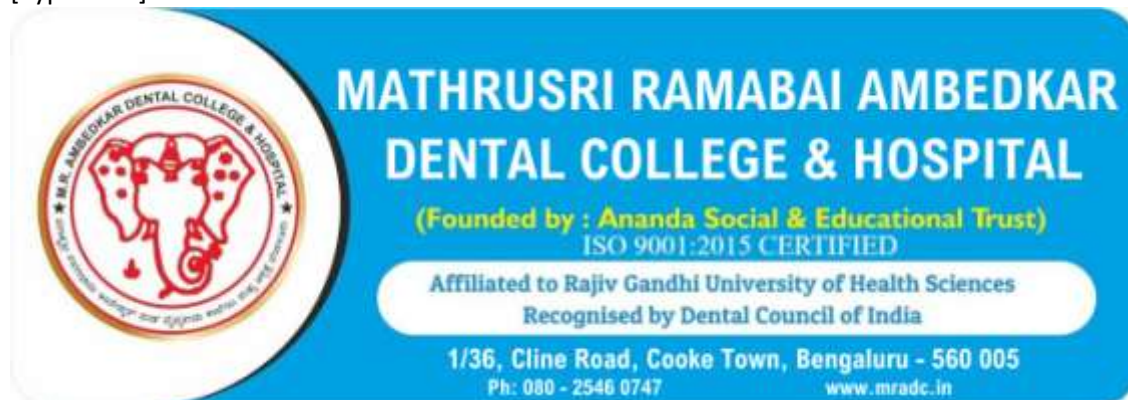
- To inculcate rational and scientific basis of therapeutics.
- The student shall be able to describe the pharmacokinetics and pharmacodynamics of essential and commonly used drugs in general and in dentistry in particular.
- To List the indications, contraindications; interactions, and adverse reactions of commonly used drugs with reason.
- Tailor the use of appropriate drugs in disease with consideration to its cost, efficacy, safety for individual and mass therapy needs.
- Indicate special care in prescribing common and essential drugs in special medical situations such as pregnancy, lactation, old age, renal, hepatic damage and immuno compromised patients.
- Integrate the rational drug therapy in clinical pharmacology.
- Indicate the principles underlying the concepts of “Essential drugs”.
- Prescribe drugs for common dental and medical ailments.
- To appreciate adverse reactions and drug interactions of commonly used drugs.
- Observe experiments designed for study of effects of drugs.
- Critically evaluate drug formulations and be able to interpret the clinical pharmacology of marketed preparations commonly used in dentistry.
- Practical knowledge of use of drugs in clinical practice will be acquired through integrated teaching with clinical departments.



General principles of pharmacology; sources and nature of drugs dosage forms;

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## PHYSIOLOGY

The following are the programme specific learning outcomes for the 1 year Undergraduate programme in the department. The student should be able to

- To Explain the normal functioning of all the organ systems and their interactions for well co-ordinated total body function.
- Assess the relative contribution of each organ system towards the maintenance of the milieu interior.
- List the physiological principles underlying the pathogenesis and treatment of disease.
- To Conduct experiments designed for the study of physiological phenomena.
- To Interpret experimental and investigative data
- To distinguish between normal and abnormal data derived as a result of tests which he/she has performed and observed in the laboratory.

- **DENTAL MATERIALS**

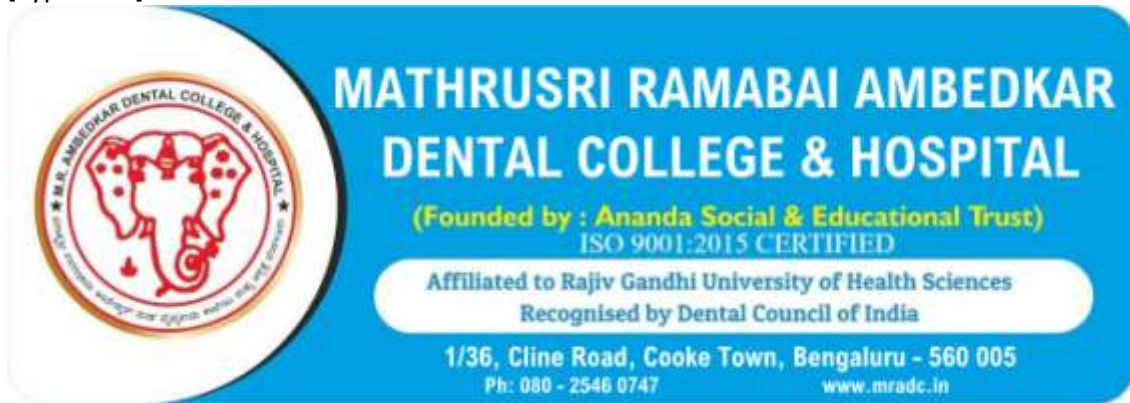


The following are the programme specific learning outcomes for the 1-year Undergraduate programme in the department. The student should be able to understand

- **Material Properties:** Understand the physical, chemical and mechanical properties of different dental materials such as ceramics, composites, metals, and polymers. Gain knowledge about how these properties affect their clinical performance and selection for various applications.
- **Restorative Materials:** Have thorough knowledge, indications, properties, manipulation techniques and clinical consideration of restorative materials.
- **Dental Bonding:** Gain knowledge about various bonding techniques, bonding agents, their application in various restorative procedures.

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- **Dental Impression Material:** learn about various impression materials such as elastomers, alginate, and hydrocolloids. Understand their properties, indications and technique for making accurate dental impression.
- **Biomaterials and Biocompatibility:** Learn about biomaterials used in dentistry such as dental implants, bone grafts, and tissue engineered constructs. Understand biocompatibility, osseointegration and factors influencing the success and longevity of dental implants.
- **Dental Material Testing:** Become familiar with different testing methods used to evaluate dental materials. These may include tests for mechanical strength, wear resistance, hardness, adhesion and biocompatibility.
- **Dental Material Safety:** Be aware of safety considerations related to dental materials, such as toxicity, allergic potential and handling precautions. Understand the relevant regulations and guidelines for material handling, disposal, and patient safety.
- **Patient Communication:** Develop effective communication skills to educate patients about different dental materials, their benefits and limitations.

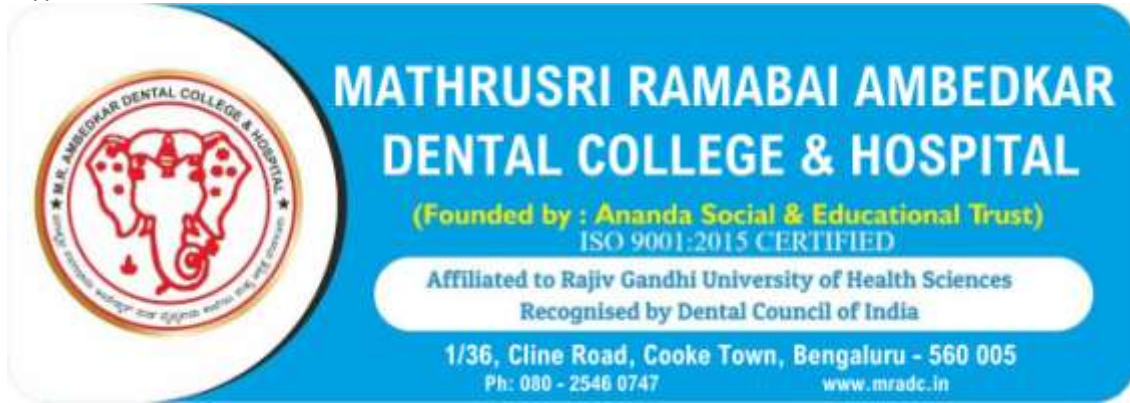


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## HUMAN ANATOMY

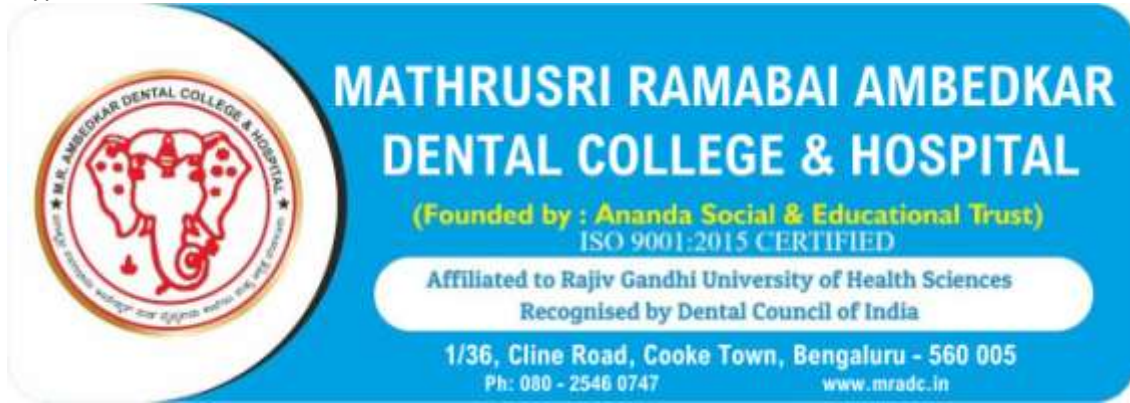
The following are the programme specific learning outcomes for the 1 year Undergraduate programme in the department. The student should be able to

- To gain the knowledge and insight into, the functional anatomy of the normal human head and neck, functional histology and an appreciation of the genetic basis of inheritance and disease, and the embryological development of clinically important structures.
- To Know the normal disposition of the structures in the body while clinically examining a patient and while conducting clinical procedures.
- To Know the anatomical basis of disease and injury.
- To Know the microscopic structure of the various tissues, a pre-requisite for understanding of the disease processes.
- To Know the nervous system to locate the site of lesions according to the sensory and or motor deficits encountered.
- To have an idea about the basis of abnormal development, critical stages of development, effects of teratogens, genetic mutations and environmental hazards.
- Know the sectional anatomy of head neck and brain to read the features in radiographs and pictures taken by modern imaging techniques.
- Know the anatomy of cardio-pulmonary resuscitation.
- To locate various structures of the body and to mark the topography of the living anatomy.



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## POST GRADUATE SPECIFIC LEARNING OUTCOMES

### ORAL MEDICINE AND RADIOLOGY

#### OBJECTIVES

At the end of 3 year training programme, the post graduate candidate should possess adequate knowledge of the discipline.

#### Knowledge

Thorough knowledge of theory, clinical and practical portions of all oro mucosal lesions of both the soft tissue as well as the hard tissue conditions/lesions and skeletal involvement of maxillofacial region, various investigative and diagnostic procedures related to the same and knowledge about the recent advances in maxillofacial imaging.

#### Skills and attitude

The following skills should be imbibed



- Identification and diagnosis of oral mucosal lesions with radiographic diagnosis and their effective management.
- Didactic Skills in teaching the undergraduates.
- Possess the Research activities and conduct various researches pertaining to oral and maxillofacial disorders.

#### ATTITUDES

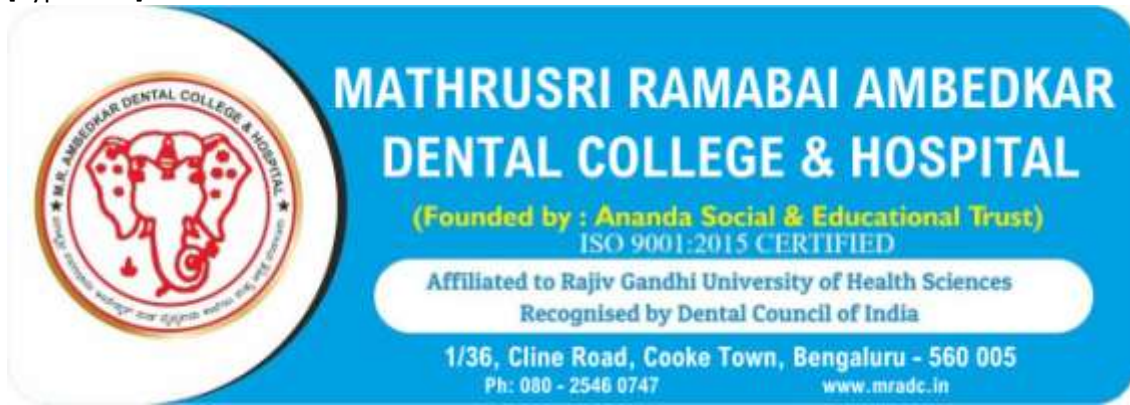
Learning process should be continued with a positive mental attitude.

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## ORAL AND MAXILLOFACIAL SURGERY

### Objectives:

The training program in Oral and Maxillofacial Surgery is structured to achieve the following Four objectives.

- Knowledge
- Skills
- Attitude
- Communicative skills and ability

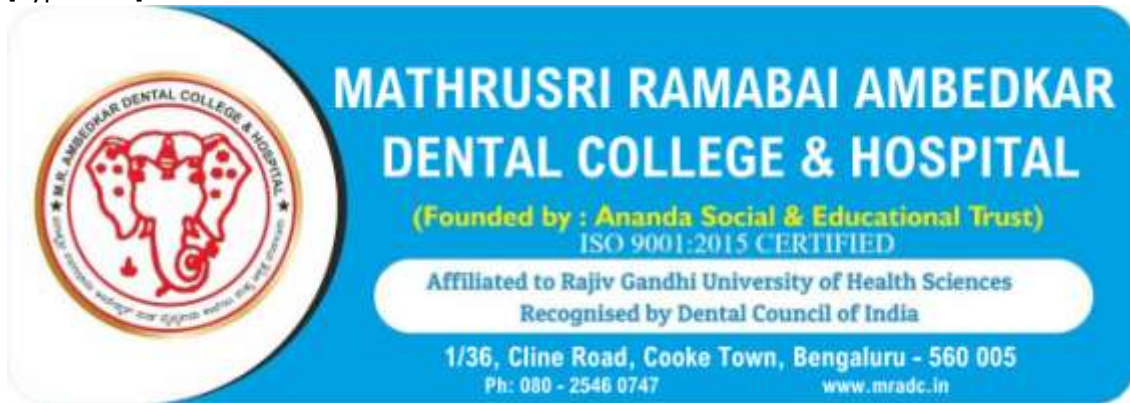


### Knowledge:

- To have acquired adequate knowledge and understanding of the etiology, pathophysiology and diagnosis, treatment planning of various common oral and Maxillofacial surgical problems both minor and major in nature.
- To have understood the general surgical principles like pre and post-surgical management, particularly evaluation, post-surgical care, fluid and electrolyte management, blood transfusion and post-surgical pain management.
- Understanding of basic sciences relevant to practice of oral and maxillofacial surgery.
- Able to identify social, cultural, economic, genetic and environmental factors and their relevance to disease process management in the oral and Maxillofacial region.
- Essential knowledge of personal hygiene and infection control, prevention of cross infection and safe disposal of hospital waste keeping in view the high prevalence of hepatitis and HIV.

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- To obtain proper clinical history, methodical examination of the patient, perform essential diagnostic procedures and order relevant laboratory tests and interpret them and to arrive at a reasonable diagnosis about the surgical condition.
- To perform with competence in minor oral surgical procedures and common maxillofacial surgery. To treat both surgically and medically (or by other means of the oral and Maxillofacial and the related area).
- Capable of providing care for maxillofacial surgery patients.

#### Attitude:



- Develop attitude to adopt ethical principles in all aspect of surgical practice, professional honesty and integrity are to be fostered. Surgical care is to be delivered irrespective of the social status, caste, creed or religion of the patient.
- Willing to share the knowledge and clinical experience with professional colleagues.
- Willing to adopt new techniques of surgical management developed from time to time based on scientific research which are in the best interest of the patient
- Respect patient's right and privileges, including patient's right to information and right to seek a second opinion.
- Develop attitude to seek opinion from an allied, medical and dental specialists as and when required.

#### Communication skills:

- Develop adequate communication skills particularly with the patients giving them the various options available to manage a particular surgical problem and obtain a true informed consent from them for the most appropriate treatment available at that point of time
- Develop the ability to communicate with professional colleagues.
- Develop ability to teach undergraduates.

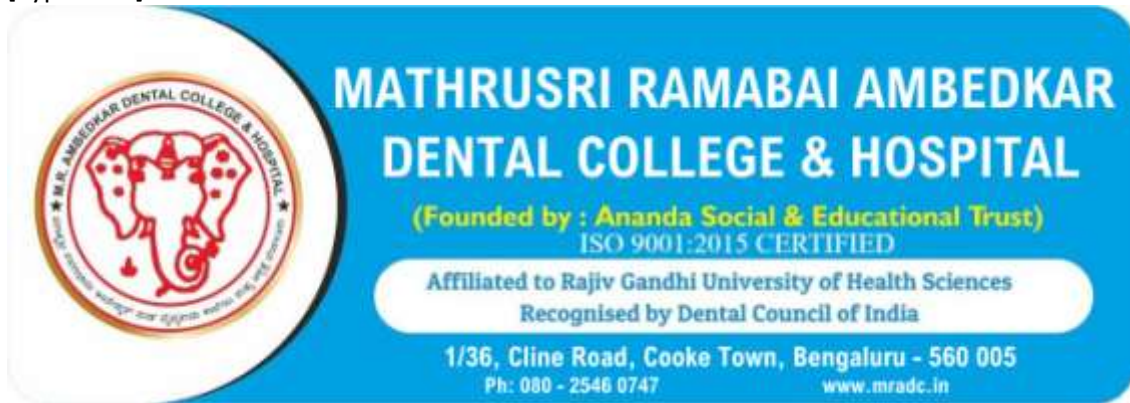
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## PEDIATRIC AND PREVENTIVE DENTISTRY

The following are the course outcome of the three- year postgraduate program in the department of Pediatric and Preventive Dentistry. By the end of the three- year program the student should be able to:

- Understand the principle and practices of Pediatric and Preventive dentistry from birth through adolescence and those with special health care needs.
- To understand growth and development of the child and correlate it clinically with the development milestones of development. To identify any deviation in the milestones and intimate the parents or caregivers about the same and seek necessary medical help.
- Create a healthy oral environment that will lead to healthy general health.
- To guide and educate parents about the importance of primary dentition, and explain about the various treatment modalities available including the preventive procedures.

## SKILLS



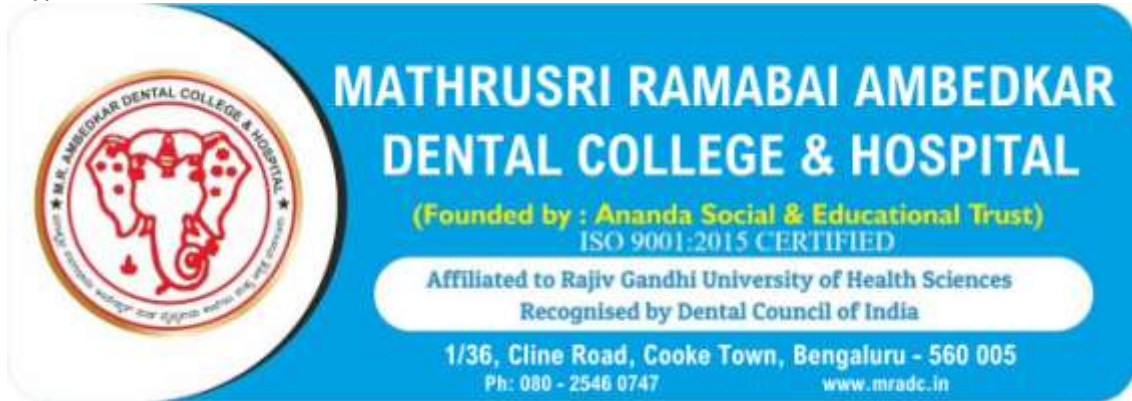
- Recording of proper case history, methodological examination of the child including the diagnostic procedures and arriving at a diagnosis and treating the accordingly.
- Treating most of the dental disorders that occur in the children.
- Practice of appropriate behaviour management in children.
- Perform restorative and pulp therapies in both primary and permanent teeth including regenerative endodontics.
- Management of traumatic injury to primary and permanent teeth
- Diagnosis of developing malocclusion and meticulously plan to prevent or intercept the malocclusion.

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- Treatment of children with special health care need under oral sedation, deep sedation or under general anesthesia.
- Surgical treatment of various conditions like mucocele, high frenal attachment etc.,

## ATTITUDE

- Follow ethical principles in all aspects of Pediatric dentistry
- Professional honesty and integrity are fostered
- Treatment of the patient to be done irrespective of the socioeconomic status, creed or religion.
- To share the knowledge and clinical experience with fellow colleagues.
- To adopt the newer advances in the various fields of pediatric dentistry
- Respect the child's opinions and rights including the right to information and to seek second opinion.
- Develop an attitude and be open for opinions and seek help if required from the medical and dental specialities.

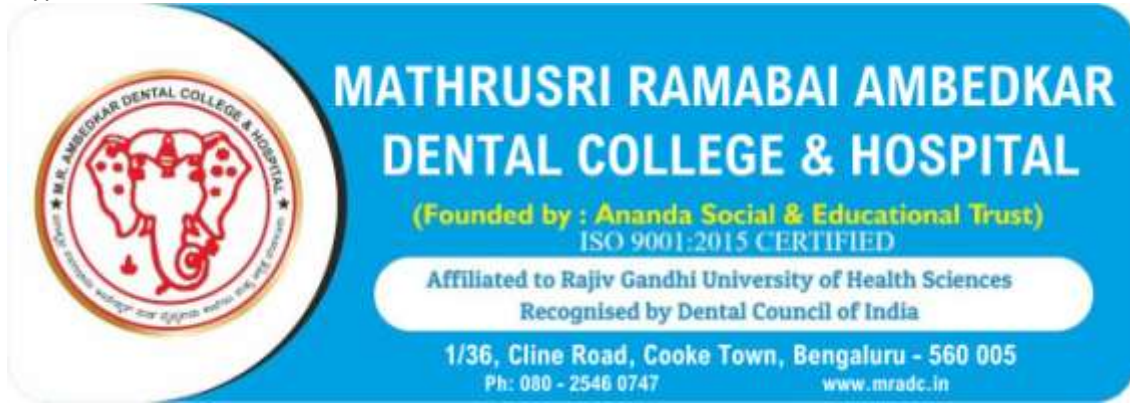


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## DEPARTMENT OF PROSTHODONTICS

The following are the course outcome of the three- year postgraduate program in the department of Prosthodontics.

### GENERAL OBJECTIVES OF THE COURSE:

- To have adequate acquired knowledge and understanding of applied basic and systemic medical sciences, both in general and in particularly of head and neck region.
- The postgraduates should be able to provide Prosthodontic therapy for patients with competence and working knowledge with understanding of applied medical, behavioural and clinical science, that are beyond the treatment skills of the general BDS graduates and MDS graduates of other specialties,
- To demonstrate evaluative and judgment skills in making appropriate decisions regarding prevention, treatment, after care and referrals to deliver comprehensive care to patients.

### KNOWLEDGE:

The candidate should possess knowledge of applied basic and systemic medical sciences.

- On human anatomy, embryology, histology, applied in general and particularly to head and neck, Physiology & Biochemistry, Pathology Microbiology & virology; health

and diseases of various systems of the body (systemic) principles in surgery and medicine, pharmacology, nutrition, behavioural science, age changes, genetics, Immunology, Congenital defects & syndromes and Anthropology, Bioengineering, Bio-medical & Biological Principles

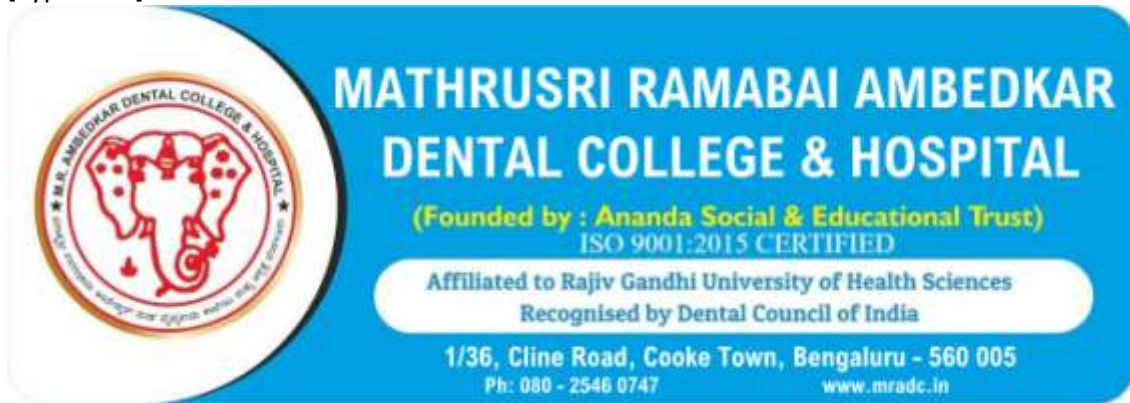


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- The student shall acquire knowledge of various Dental Materials used in the specialty and be able to provide appropriate indication, understand the manipulation characteristics, compare with other materials available, be adept with recent advancements of the same.
- Students shall acquire knowledge and practice of history taking, Diagnosis, treatment planning, prognosis, record maintenance of oral, craniofacial and systemic region.
- Ability for comprehensive rehabilitation concept with pre prosthetic treatment plan including surgical re-evaluation and prosthodontic treatment planning, impressions, jaw relations, utility of face bows, articulators, selection and positioning of teeth, teeth 43 arrangement for retention, stability, esthetics, phonation, psychological comfort, fit and insertion.
- Instructions for patients in after care and preventive Prosthodontics and management of failed restorations shall be possessed by the students.
- Understanding of all the applied aspects of achieving physical, psychological well-being of the patients for control of diseases and / or treatment related syndromes with the patient satisfaction and restoring function of Cranio mandibular system for a quality life of a patient.
- Ability to diagnose and plan treatment for patients requiring Prosthodontic therapy
- Ability to read and interpret radiographs, and other investigations for the purpose of diagnosis and treatment planning.
- The theoretical knowledge and clinical practice shall include principles involved for support, retention, stability, esthetics, phonation, mastication, occlusion, behavioral, psychological, preventive and social aspects of Prosthodontics science of Oral and Maxillofacial Prosthodontics and Implantology
- Tooth and tooth surface restorations, Complete denture Prosthodontics, removable partial denture Prosthodontics, fixed prosthodontics and maxillofacial and Craniofacial

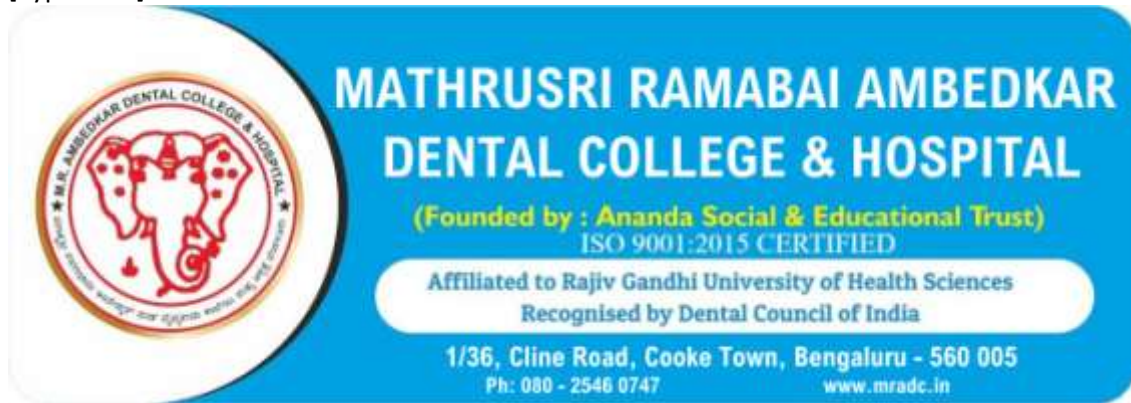


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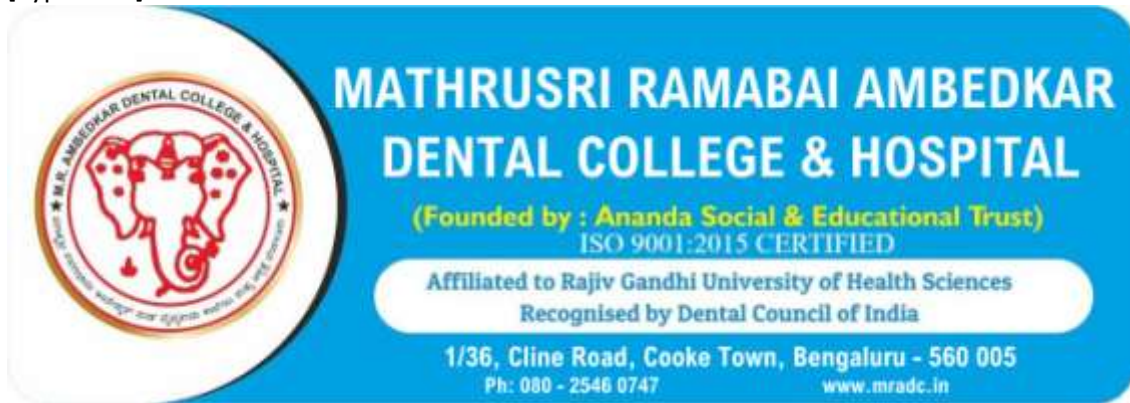
Prosthodontics, implants and implant supported Prosthodontics, T.M.J. and occlusion, craniofacial esthetics, and biomaterials, craniofacial disorders, problems of psychogenic origin.

- Should have knowledge of age changes, geriatric psychology, nutritional considerations and prosthodontic therapy in the aged population.
- Should have ability to diagnose failed restoration and provide prosthodontic therapy and after care.
- Should have essential knowledge on ethics, laws, and Jurisprudence and Forensic Odontology in Prosthodontics. •
- Should know general health conditions and emergency as related to prosthodontics treatment like allergy of various materials and first line management of aspiration of prosthesis
- Should identify social, cultural, economic, environmental, educational and emotional determinants of the patient and consider them in planning the treatment.
- Should identify cases, which are outside the area of his specialty / competence, refer them to appropriate specialists and perform interdisciplinary case management.
- To advice regarding case management involving surgical and interim treatment
- Should be competent in specialization of team management in craniofacial prosthesis design.
- To have adequate acquired knowledge, and understanding of applied basic, and systemic medical science knowledge in general and in particular to head and neck regions.
- Should attend continuing education programmes, seminars and conferences related to Prosthodontics, thus updating himself/herself.



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- To teach and guide his/her team, colleagues and other students.
- Should be able to use information technology tools and carry out research both in basic and clinical areas, with the aim of publishing his/ her work and presenting his/her work at various scientific forums.
- Should have an essential knowledge of personal hygiene, infection control, prevention of cross infection and safe disposal of waste, keeping in view the risk of transmission of potential communicable and transmissible infections like Hepatitis and HIV.
- Should have an ability to plan and establish Prosthodontics clinic/hospital teaching department and practice management.
- Should have a sound knowledge (of the applications in pharmacology, effects of drugs on oral tissues and systems of body and in medically compromised patients.



#### SKILLS:

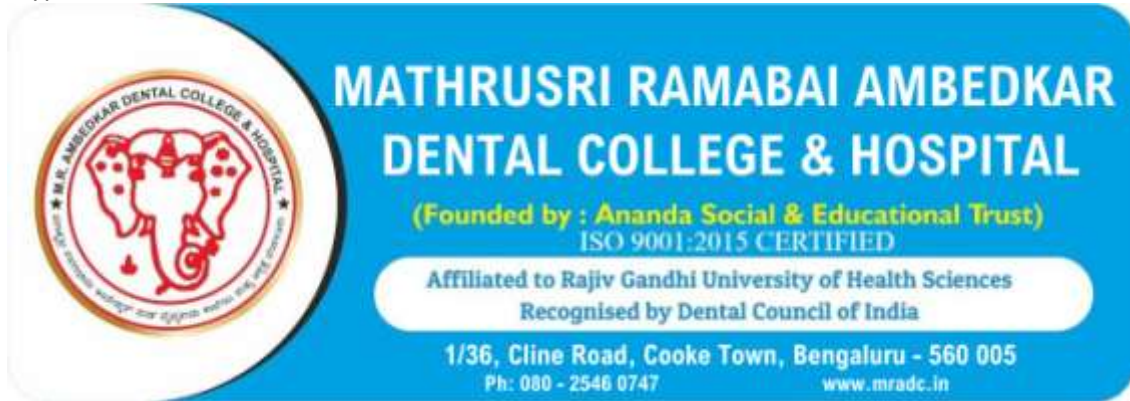
- The candidate should be able to examine the patients requiring Prosthodontic therapy, investigate the patient systemically, analyze the investigation results, radiographs, diagnose the ailment, plan the treatment, communicate it with the patient and execute it.
- To understand the prevalence and prevention of diseases of craniomandibular system related to prosthetic dentistry.
- The candidate should be able to restore lost functions of stomatognathic system like mastication, speech, appearance and psychological comforts by understanding biological, biomedical, bioengineering principles and systemic conditions of the patients to provide quality health care in the craniofacial regions.

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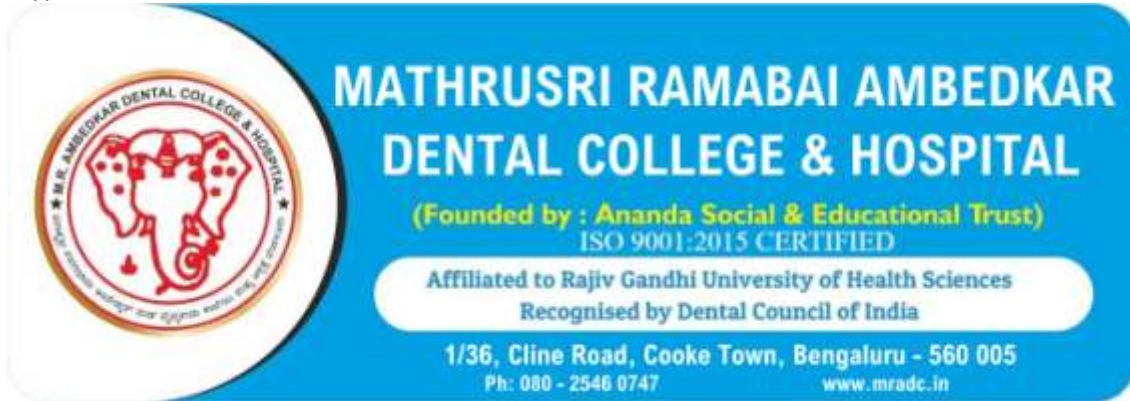


- The candidate should be able to demonstrate good interpersonal, communication skills and team approach in interdisciplinary care by interacting with other specialties including medical specialty for planned team management of patients for craniofacial & oral acquired and congenital defects, temporomandibular joint syndromes, esthetics, Implant supported Prosthetics and problems of Psychogenic origins.
- Should be able to demonstrate the clinical competence necessary to carry out appropriate treatment at higher level of knowledge, training and practice skills currently available in their specialty area with a patient centered approach.
- Should be able to interpret various radiographs like IOPA, OPG, CBCT and CT. Should and be able to plan and modify treatment plan based on radiographic findings
- Should be able to critically appraise articles published and understand various components of different types of articles and be able to gather the weight of evidence from the same
- To identify target diseases and create awareness amongst the population regarding Prosthodontic therapy.
- To perform Clinical and Laboratory procedures with a clear understanding of biomaterials, tissue conditions related to prosthesis and have required dexterity & skill for performing clinical and laboratory all procedures in fixed, removable, implant, maxillofacial, TMJ and esthetics Prosthodontics.
- To carry out necessary adjunctive procedures to prepare the patient before prosthesis like tissue preparation and preprosthetic surgery and to prepare the patient before prosthesis / prosthetic procedures
- To understand demographic distribution and target diseases of Cranio mandibular region related to Prosthodontics.



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#### ATTITUDES:

- To adopt ethical principles in Prosthodontic practice, Professional honesty, credibility and integrity are to be fostered. Treatment to be delivered irrespective of social status, caste, creed or religion of patient.
- Should be willing to share the knowledge and clinical experience with professional colleagues.
- Should develop an attitude towards quality, excellence, non-compromising in treatment.
- Should be able to self-evaluate, reflect and improve on their own.
- Should pursue research in a goal to contribute significant, relevant and useful information, concept or methodology to the scientific fraternity.
- Should be able to demonstrate evidence-based practice while handling cases
- Should be willing to adopt new methods and techniques in prosthodontics from time to time based on scientific research, which are in patient's best interest.
- Should respect patient's rights and privileges, including patient's right to information and right to seek second opinion.

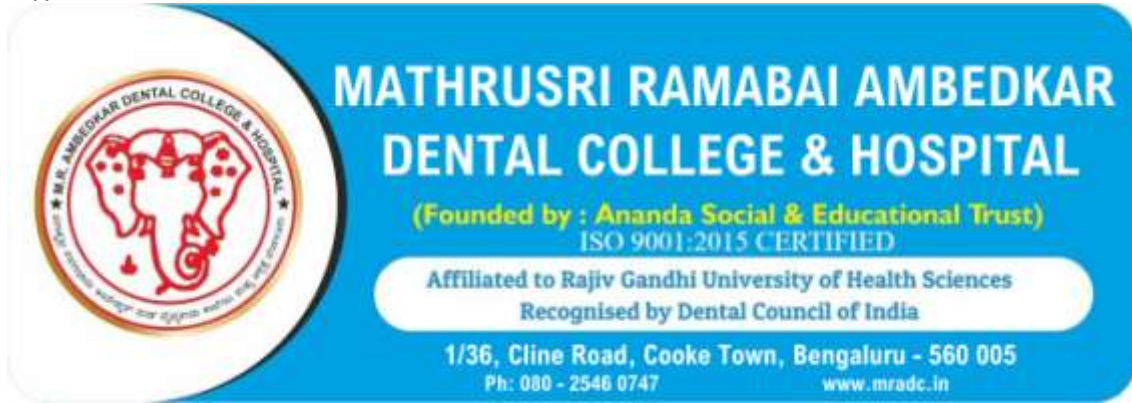


#### COMMUNICATIVE ABILITIES:

- To develop communication skills, in particular and to explain treatment options available in the management.
- To provide leadership and get the best out of his / her group in a congenial working atmosphere.
- Should be able to communicate in simple understandable language with the patient and explain the principles of prosthodontics to the patient. He/She should be able to guide and counsel the patient with regard to various treatment modalities available.



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- To develop the ability to communicate with professional colleagues through various media like Internet, e-mails, videoconferences etc. to render the best possible treatment. Should demonstrate good explanatory and demonstrating ability as a teacher in order to facilitate learning among students.

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## PERIODONTICS

The following are the course outcome of the three- year postgraduate program in the department of Periodontics




Competency Area	Program Learning Outcomes
Communication and social skills	<ul style="list-style-type: none"><li>• Perform a careful and exhaustive clinical examination relevant to periodontology and communicate effectively with patients using advanced technological and communication aids</li><li>• Interpret and communicate knowledge, skills and ideas in delivering periodontal treatment</li><li>• with due consideration to patients' desires and attitudes.</li></ul>
Scientific and clinical Knowledge	<ul style="list-style-type: none"><li>• Apply the scientific and clinical knowledge in the decision-making process, clinical reasoning and judgment to develop a comprehensive diagnosis and treatment plan.</li></ul>
Health Promotion	<ul style="list-style-type: none"><li>• Support the professional development, preventive strategies, and education for all members of the community</li></ul>
Health care delivery	<ul style="list-style-type: none"><li>• To be able to critically appraise and apply evidenced-based knowledge relevant to the safe practice of periodontology.</li><li>• To be able to record full medical and dental history of</li></ul>

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	<p>the patient, and apply legislation related to record-keeping.</p> <ul style="list-style-type: none"><li>• Provide patient centered care in a professional way in accordance to the regulations considering ethical principles</li><li>• Manage periodontal patients with different degrees of complexity including medically compromised and special needs patients. Perform non-surgical and surgical periodontal therapy for natural dentition and dental implants following all principles of infection control.</li><li>• Evaluate the results of the treatment and to carry out any supportive periodontal treatment.</li></ul>
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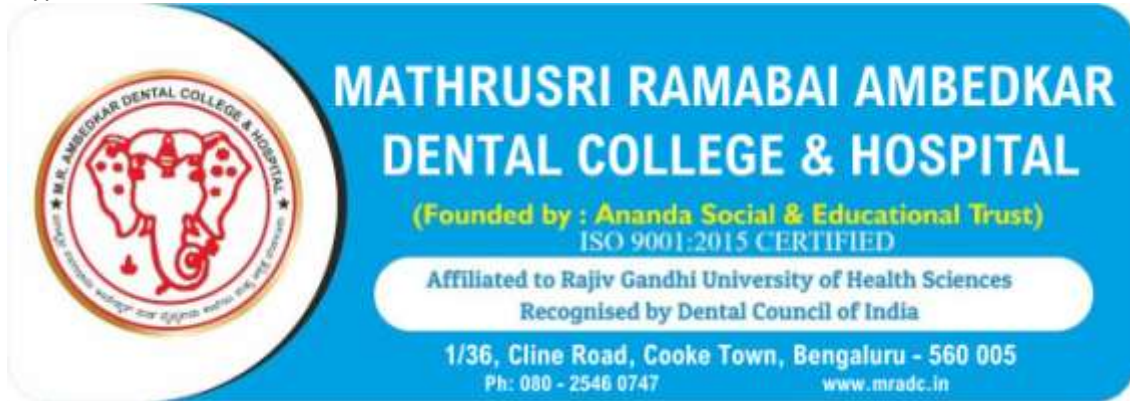
First year curriculum

## KNOWLEDGE

- Basic anatomy of head and neck region
- Basic physiology and biochemistry as relevant to dental practice
- Basics of pharmacology, pathology and microbiology as relevant to dental practice
- Basics of research methodology and biostatistics
- Normal structures of the periodontium- anatomical, clinical and histological features
- Etiology of periodontal diseases
- Immunology and pathogenesis of periodontal diseases



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- Epidemiology and classification of periodontal diseases and conditions
- Clinical and histological features of gingival, periodontal and peri-implant diseases and conditions
- Clinical, radiographic and advanced diagnostic methods as applied to periodontology
- Factors affecting prognosis of periodontal diseases
- Blue print of treatment planning for periodontal patient
- Plaque control methods
- Non-surgical and surgical periodontal instruments
- Principles of instrumentation
- Scaling and root planning procedure
- Minor periodontal surgical procedures: Gingivectomy, frenotomy, crown lengthening procedure
- Use of antibiotics in periodontal therapy
- Host modulation therapy
- Periodontal wound healing
- Periodontal dressing
- Supportive periodontal therapy



#### SKILLS

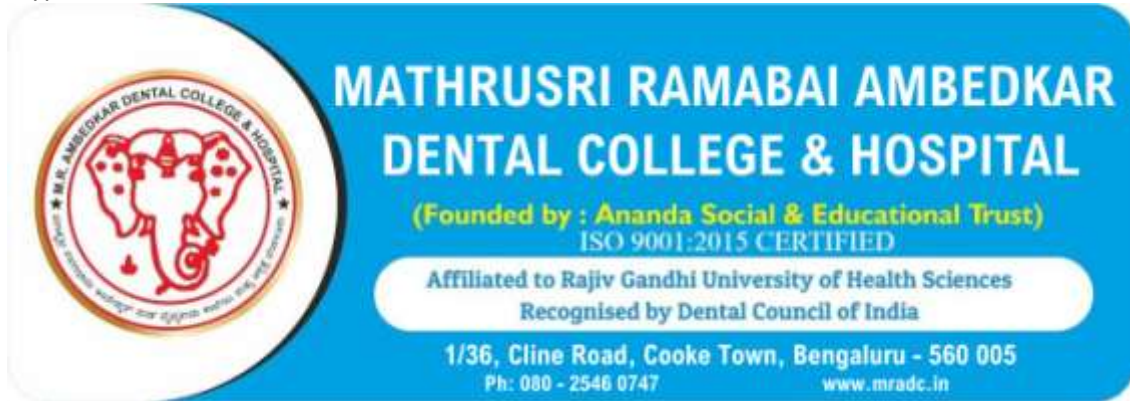
- Case-history recording

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- Patient examination as relevant for periodontal problems
- Probing methods
- Perform Scaling and root planning
- Perform Splinting
- Minor surgical procedures: gingivoplasty, gingivectomy, frenotomy, frenectomy, crown lengthening

#### ATTITUDE

- Communication with the patient during history taking
- Educating the patient about significance of oral hygiene
- Convincing the patient for the treatment
- Gentle handling of the patient during clinical examination and treatment



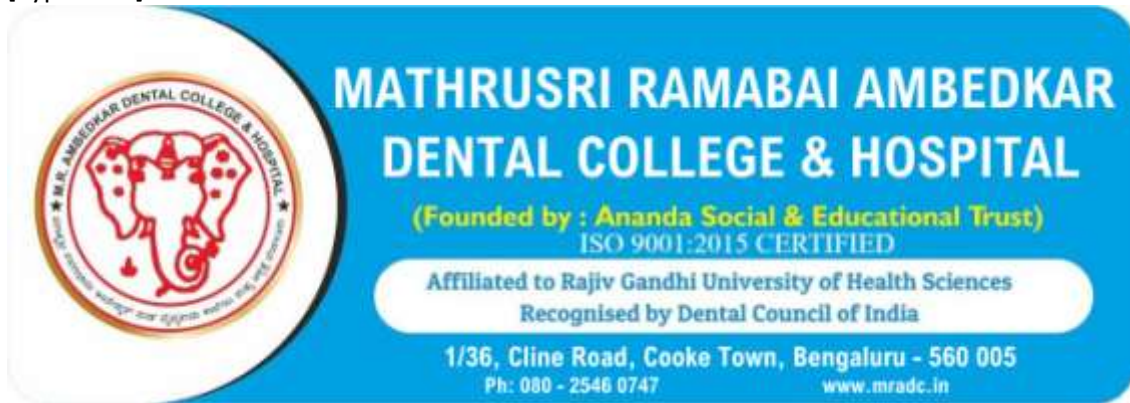
#### Second year curriculum

#### KNOWLEDGE

- Case selection and decision making for flap surgery
- Periodontal flap surgery techniques
- Regenerative therapy
- Muco-gingival surgery
- Interdisciplinary approaches
- Implant case selection and treatment planning

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- Ridge augmentation procedures

## SKILLS

- Perform periodontal flap surgery
- Perform periodontal regenerative procedures
- Perform periodontal plastic surgery procedures
- Management of endo-perio lesions
- Placing of implants in deficient ridges after bone augmentation



## Third year curriculum

### KNOWLEDGE

- Advanced periodontal surgical methods: microsurgery, Lasers, electro-surgery
- Platelet concentrates
- Stem cell therapy and periodontal tissue engineering
- Maxillary sinus lift procedures

### SKILLS

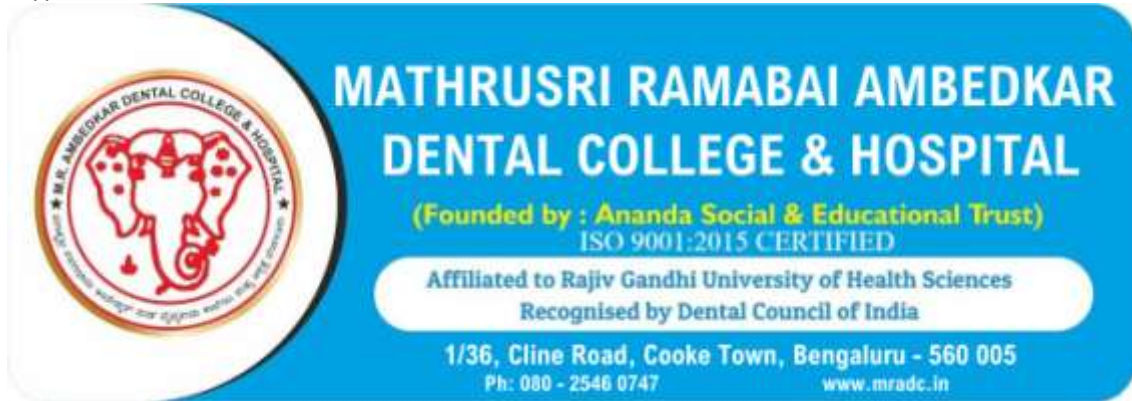
- Perform periodontal microsurgery using loupes
- Perform periodontal surgeries using laser
- Perform surgical procedures using electrocautery

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- Demonstrate making of platelet concentrates
- Perform periodontal regenerative procedures using advanced methods
- Place implants in conjunction to maxillary sinus lift and ridge augmentation procedures

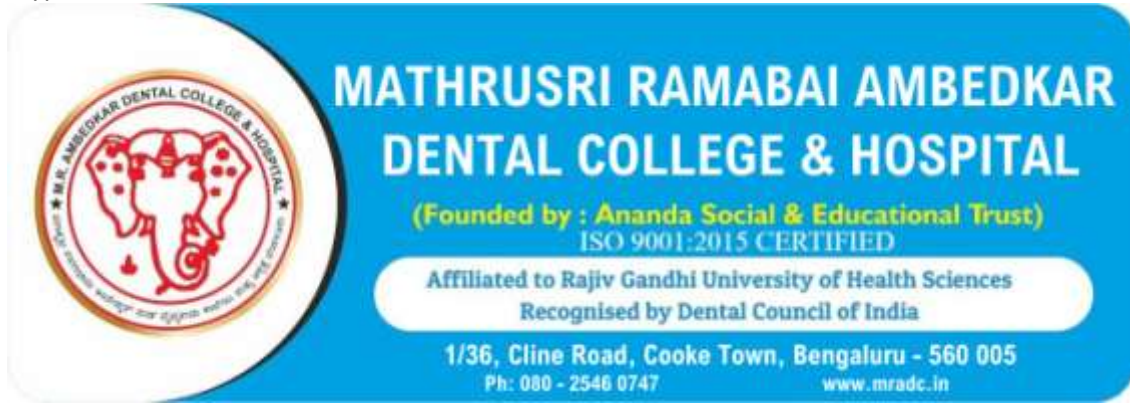
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## ORTHODONTICS AND DENTOFACIAL ORTHODONTICS



### OBJECTIVES

At the end of 3 year training programme, the post graduate candidate should possess adequate knowledge of the discipline

### AIM

The post graduates during training in the institution should acquire adequate knowledge, necessary skills and such attitudes which are required for carrying out all the activities appropriate to general and overall Orthodontic practice involving the prevention, diagnosis and treatment of anomalies and malocclusion of the teeth, and diseases of mouth, jaws and associated tissues. The post graduates should also be able to understand the concept of Orthodontics and apply the same for treating the patient.

### OBJECTIVES

The objectives are dealt under three headings namely (a) knowledge and understanding (b) skills and (c) attitudes.

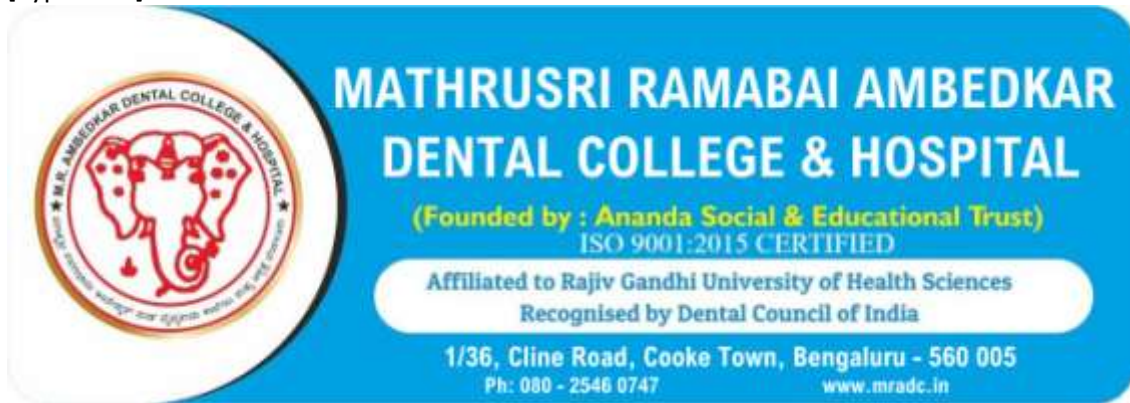
a. Knowledge and understanding

- The post graduates should acquire the following during the period of training. Adequate knowledge of the scientific foundations on which Orthodontics is based on and good understanding of various concepts, methods, principles of biological functions and should be able to evaluate and analyse scientifically different treatment aspects

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- Adequate knowledge of growth and development of structures and functions of the teeth, mouth and jaws and associated tissues both in health and disease and their relationship and effect on general-state of health and also the bearing on physical and social well-being of the patient.
- Adequate knowledge of clinical disciplines and methods, anomalies, lesions and diseases of the teeth, mouth and jaws and preventive, interceptive and corrective aspects of Orthodontics.
- Factors affecting long term stability after Orthodontic correction and their management.



### SKILLS

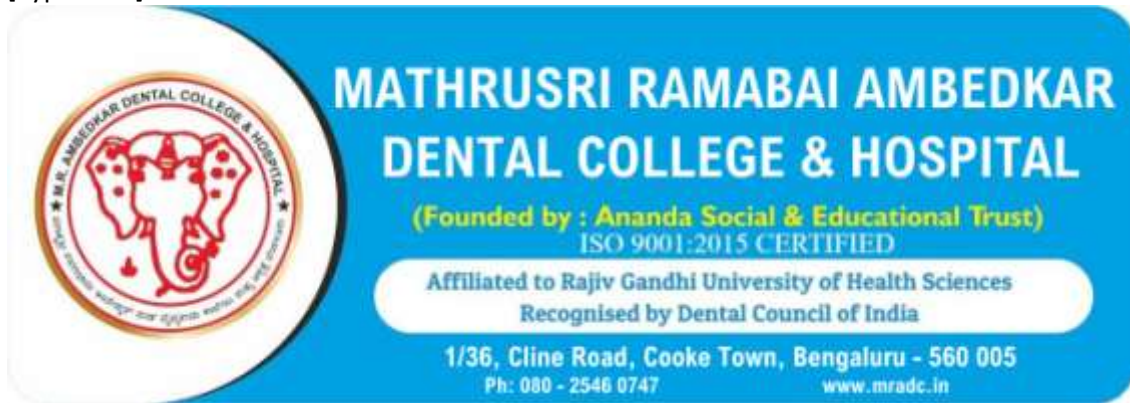
- Able to diagnose and manage various common malocclusions encountered in general dental practice, keeping in mind the expectations and the right of the society to receive the best possible treatment available wherever possible.
- 
- Acquire skill to prevent and manage complications if encountered while carrying out various Orthognathic surgical and other procedures as well.
- Possess skill to carry out required investigative procedures and ability to interpret diagnosis and treatment plan.

### ATTITUDE

A graduate should develop during the training period the following attitudes.

- Willing to apply current knowledge of Orthodontics in the best interest of the patients and the community
- Maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.

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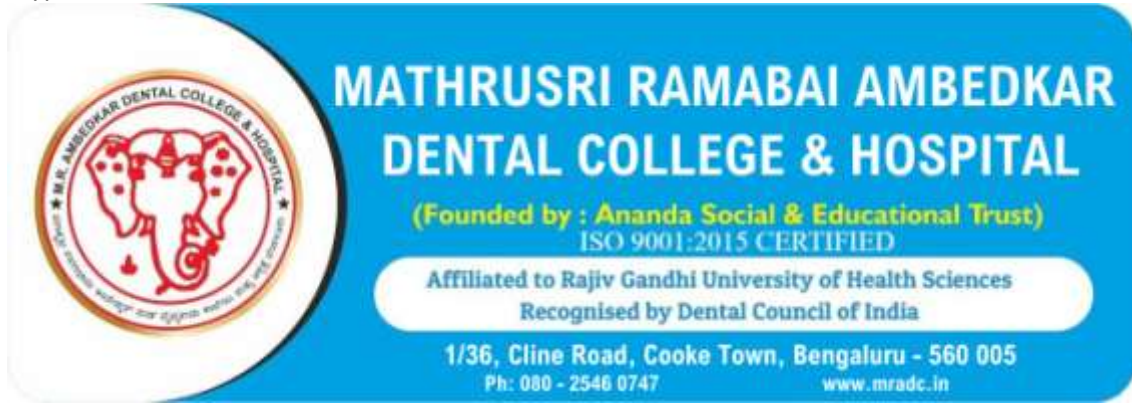
- Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community
- Willingness to participate in the continuing education programmes to update knowledge and professional skills from time to time.
- To help and to participate in the implementation of national health programmes.
- As the duration of orthodontic treatment is long, it is important to inculcate a positive attitude in the student so that he/she develops a good rapport with the patient.

#### Course outcomes

- Define Orthodontics and their basic principles
- Understood the concepts of growth and development of arches, occlusion and associated craniofacial structures
- Classify and explain different malocclusions
- Explain different types of dental and skeletal malocclusions with their associated etiological factors
- Define, classify and explain different types of anchorage system used in Orthodontics with recent advancements like usage of TAD'S.
- Types of tooth movements, biomechanics and tissue reactions associated with it.
- To make upper and lower impressions, prepare study models and perform model analysis
- Identification of landmarks, analyse and interpret the radiographs for diagnosis and treatment plan with soft tissue analysis as well.
- Trained to carry out growth modification procedures.
- Has been trained for expanding arches in growing as well as in non growing patients.



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- Taught to apply micro implants / TAD'S where ever its necessary for that particular patients.
- Describe various laboratory procedures and various materials used in fabrication of Orthodontic appliances
- Trained in planning and implementing Orthognathic surgeries
- Know the etiology, various schools of retention and theories in retention and relapse
- Fabrication of removable appliances and retainers in Orthodontics

Trained with recent advances in fixed appliance procedures, biomechanics, equipment and techniques.

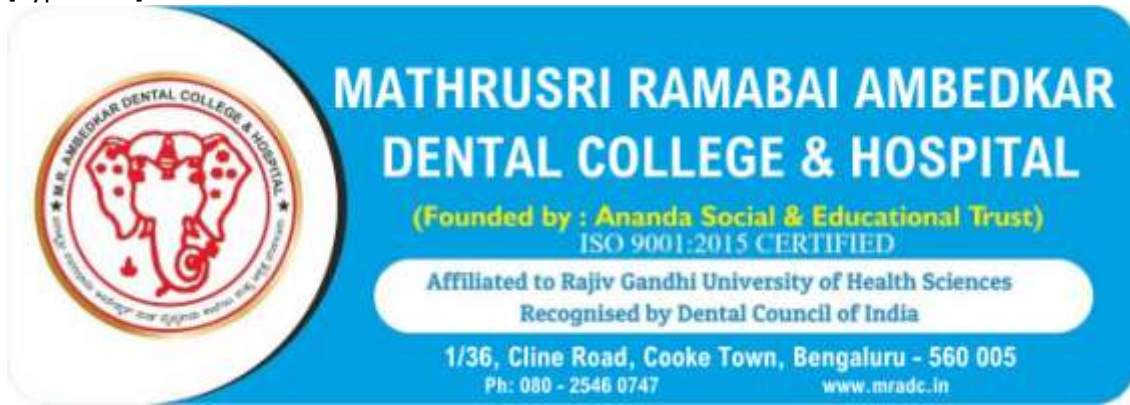


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## ORAL PATHOLOGY AND MICROBIOLOGY-

At the end of post graduate course, the student will be equipped with the following attributes-

### Objectives-

To train a post graduate student so as to ensure higher competence in both general and special pathology dealing with the nature of oral diseases, its pathogenesis, clinical presentation, histopathological features and treatment.

To be able to present seminars on important topics, journal clubs and relevant case presentations

Expected to present papers/posters in national conferences and PG conventions as well as take part in panel /group discussions

Should be able to prepare H & E stains as well as special stains for special cases if required to reach the diagnosis

To have sound knowledge on various form of microscopes like compound, polarizing, fluorescent, phase contrast, dark field, stereomicroscope designed for specific purposes.



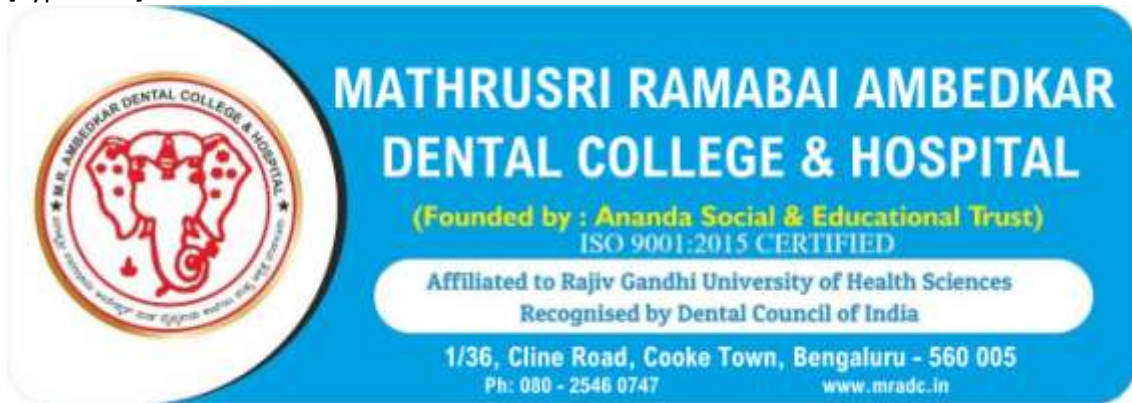
### Skills-

He/she is expected to have an understanding of current research methodology, collection and interpretation of data, ability to carry out research projects on clinical and/or epidemiological aspects, working knowledge on current databases, skill in writing scientific papers.

Should be able to generate histopathological report and diagnosis.

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As an oral pathologist is expected to perform routine histopathological evaluation of specimens relating to oral and perioral tissues to carry out routine diagnostic procedures including haematological, cytological, microbiological, immunological and ultrastructural investigations.

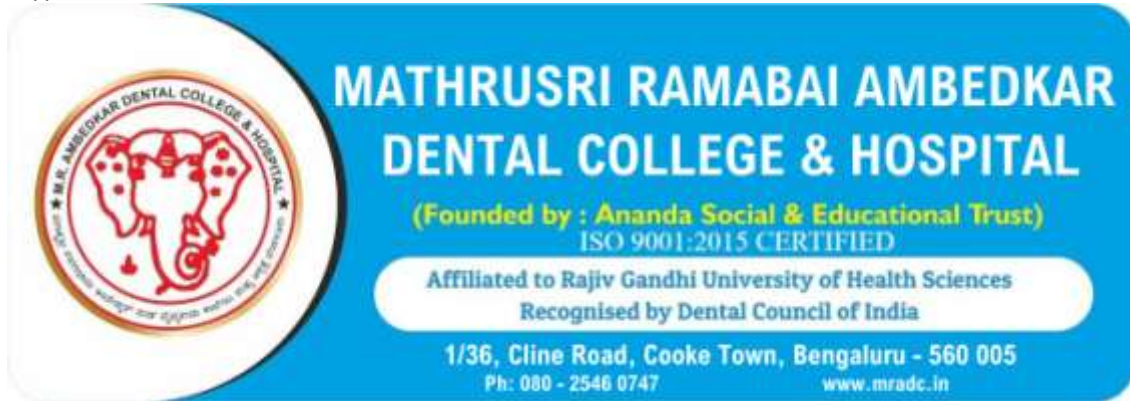
Should be able to use special stains when required to conclude the histopathologic diagnosis.

Should be skilled enough to present papers and posters in national conference and PG Convention.



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## DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

At the end of 3 year training programme, the post graduate candidate should possess adequate knowledge of the discipline.

The following objectives are laid out to achieve the goals of the course. These are to be achieved by the time the candidate completes the course. These objectives may be considered under the following subtitles

### Knowledge



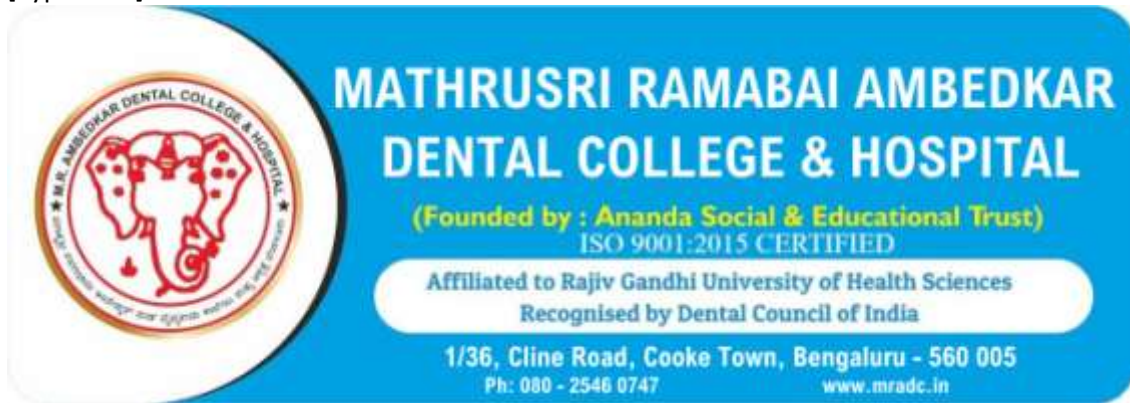
1. Advanced endodontic techniques: Knowledge in advanced endodontic technique such as regenerative endodontic technique, vital pulp therapy, apexification, apexogenesis and management of complex root canal anatomy.
2. Describe the etiology, pathophysiology, periapical diagnosis and management of common restorative, endodontic situations.
3. Microscope assisted endodontics: Master the use of dental microscope in endodontic procedures.
4. Understanding the fundamentals relevant to conservative/restorative and endodontics.
5. Determine the social, economic, environmental and emotional determinants of a given case or community and incorporate them for planning and delivery at the individual or community level.
6. Advanced restorative procedures: Expand knowledge of direct and indirect restorations including aesthetic materials tooth coloured restoration, ceramic crown, veneers, inlays and onlays. Master adhesive bonding techniques for optimal results.

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### Skills

1. Diagnosis and treatment planning: Develop strong diagnostic skills to accurately identify and differentiate between various dental conditions. Create comprehensive treatment plans considering conservative restorations, endodontic therapy and other relevant procedures
2. Periodontal consideration: Understand the interrelationship between endodontics and periodontics. Recognize the importance of periodontal health in successful endodontic treatment outcomes.
3. Trauma management: Expertise in the management of dental trauma cases.
4. Managing complications: Be prepared to handle potential complications during endodontic procedures such as instrument separation, perforation and failed root canal treatment.



### Human values, Ethical Practices and Communication Abilities

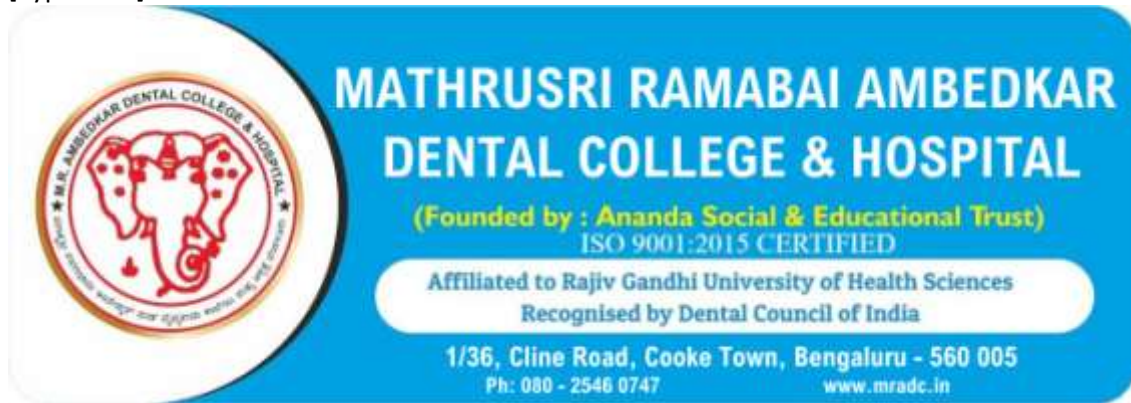
1. Interdisciplinary collaborations: Collaborate with other dental specialities such as prosthodontics, orthodontics and oral surgery to provide comprehensive patient care.
2. Evidence based practise: Stay updated with the latest research and advancements in the field of conservative dentistry and endodontics.
3. Continuous learning and professional development
4. Patient communication: Develop effective communication skills to educate patient about their dental conditions, treatment options and post treatment care.
5. Ethical and legal consideration: Adhere to ethical guidelines and legal regulations governing dental practice. Ensure patient confidentiality, maintain accurate records and stay informed about local dental laws and regulations.

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## **PUBLIC HEALTH DENTISTRY**

### Objectives

At the end of 3 years of training the post-graduate student should be able to:



### Knowledge

- Apply basic sciences knowledge regarding etiology, diagnosis and management of the prevention, promotion and treatment of all the oral conditions at the individual and community level.
- Identify social, economic, environmental and emotional determinants in a given individual patient or a community for the purpose of planning and execution of Community Oral Health Program.
- Ability to conduct Oral Health Surveys in order to identify all the oral health problems affecting the community and find solutions using multi - disciplinary approach.
- Ability to act as a consultant in community Oral Health, teach, guide and take part in research (both basic and clinical), present and publish the outcome at various scientific conferences and journals, both national and international level.

The Post-graduate student should be able to

- Take history, conduct clinical examination including all diagnostic procedures to arrive at diagnosis at the individual level and conduct survey of the community at state and national level of all conditions related to oral health to arrive at community diagnosis. Plan and perform all necessary treatment, prevention and promotion of Oral Health at the individual and community level.

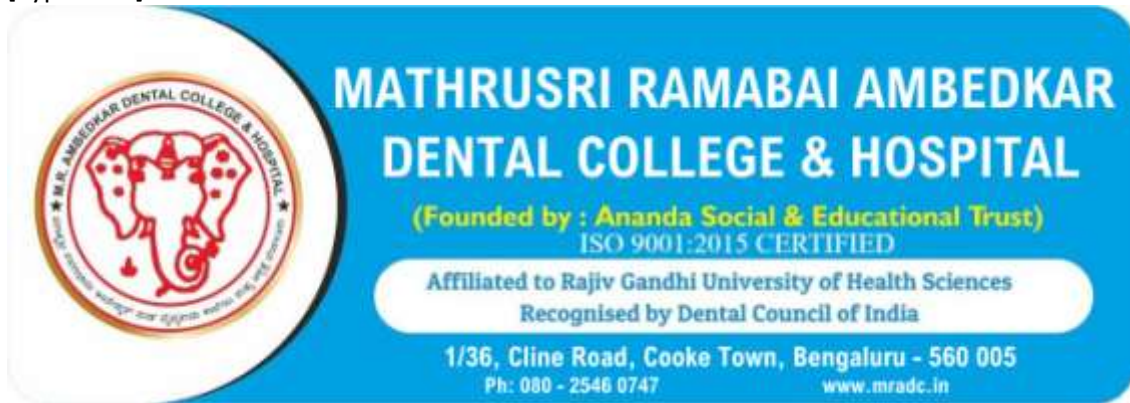
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- Plan appropriate Community Oral Health Program, conduct the program and evaluate, at the community level.
- Ability to make use of knowledge of epidemiology to identify causes and appropriate preventive and control measures.
- Develop appropriate person power at various levels and their effective utilization.
- Conduct survey and use appropriate methods to impart Oral Health Education.
- Develop ways of helping the community towards easy payment plan, and followed by evaluation for their oral health care needs.
- Develop the planning, implementation, evaluation and administrative skills to carry out successful community Oral Health Programs.

Values:

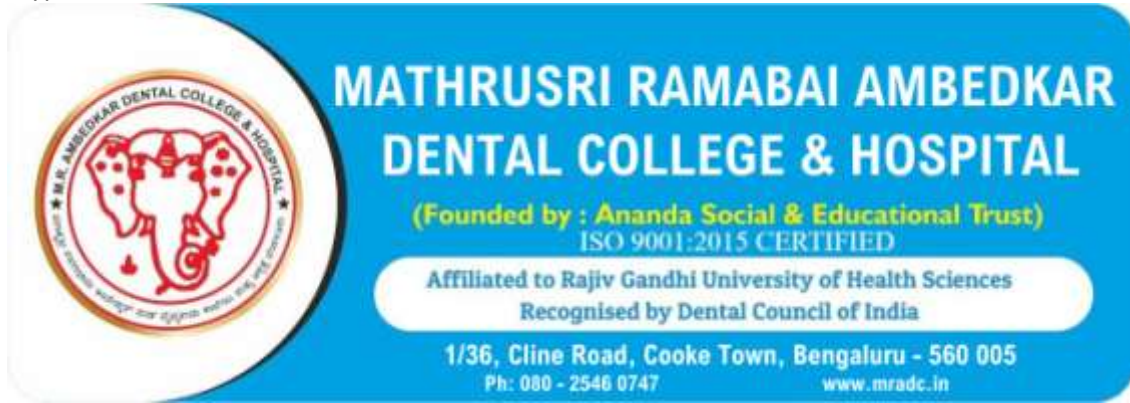


- Adopt ethical principles in all aspects of Community Oral Health Activities.
- To apply ethical and moral standards while carrying out epidemiological researches.
- Develop communication skills, in particular to explain the causes and prevention of oral diseases to the patient.
- Be humble and accept the limitations in his knowledge and skill and to ask for help from colleagues when needed and promote teamwork approach.
- Respect patient's rights and privileges including patients right to information and right to seek a second opinion.

In addition, the post graduate students should assist and teach undergraduate students, complete two short research projects, one library dissertation and thesis along with conducting regular seminars and journal clubs.

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## BDS PROGRAM ATTRIBUTES

At the completion of the undergraduate training program the graduates shall be competent in the following. –

### General Skills:

- Apply knowledge and skills in clinical practise
- Acknowledge and uphold principles of ethics in clinical practise
- Analyse the outcome of treatment
- Evaluate the scientific literature and information to decide the treatment
- Participate and involve in professional bodies
- Self-assessment & willingness to update the knowledge & skills from time to time
- Involvement in simple research projects
- Minimum computer proficiency to enhance knowledge and skills
- Refer patients for consultation and specialized treatment
- Basic study of forensic odontology and geriatric dental problems



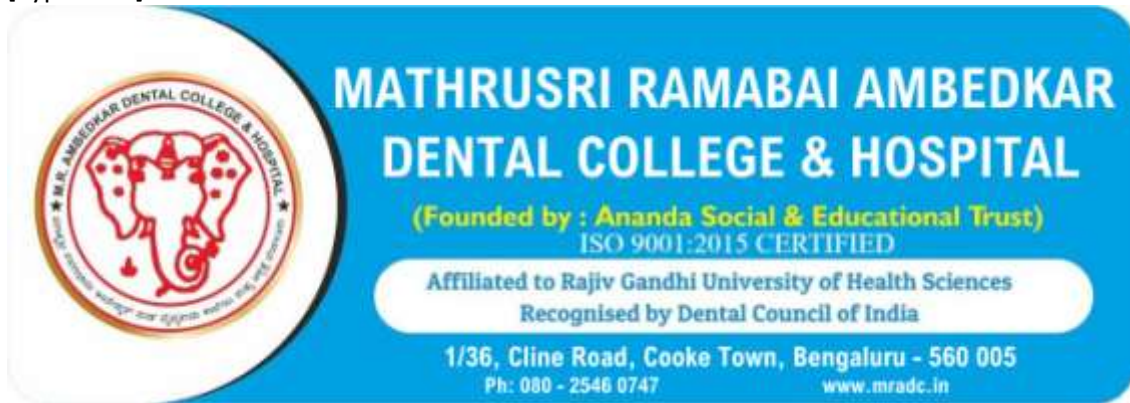
### Practice Management:

- Evaluate practice location, population dynamics & reimbursement mechanism
- Co-ordinate & supervise the activities of allied dental health personnel
- Maintain all records
- Implement & monitor infection control and environmental safety programs
- Practice within the scope of one's competence

### Communication & Community Resources:

- Assess patients' goals, values and concerns to establish rapport and guide patient care

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•Able to communicate freely, orally and in writing with all concerned Participate in improving the oral health of the individuals through community activities.

Patient Care – Diagnosis :

- Obtaining patient's history in a methodical way
- Performing thorough clinical examination
- Selection and interpretation of clinical, radiological and other diagnostic information
- Obtaining appropriate consultation
- Arriving at provisional, differential and final diagnosis



Patient Care – Treatment Planning :

- Integrate multiple disciplines into an individual comprehensive sequence treatment plan using diagnostic and prognostic information
- Able to order appropriate investigations

Patient Care – Treatment :

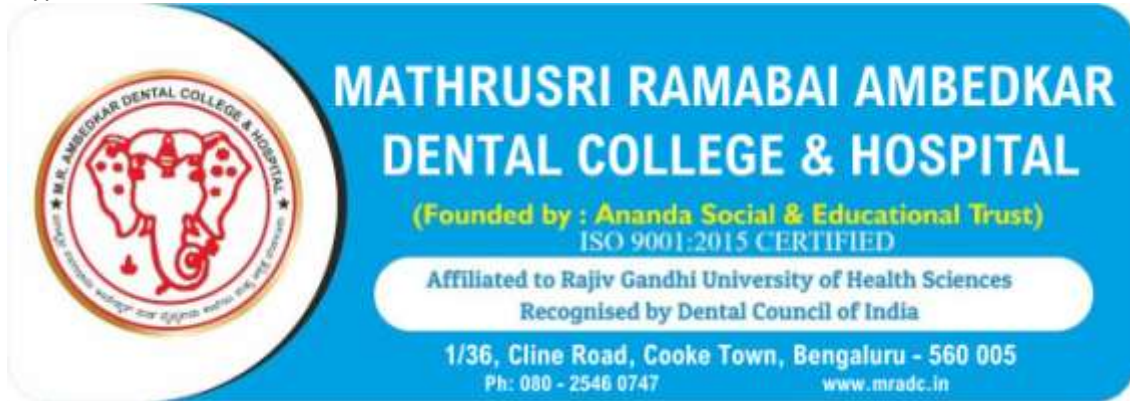
- Recognition and initial management of medical emergencies that may occur during Dental treatment Perform basic cardiac life support
- Management of pain including post-operative
- Administration of all forms of local anesthesia
- Administration of intra muscular and venous injections
- Prescription of drugs, pre-operative, prophylactic and therapeutic requirements
- Uncomplicated extraction of teeth Trans alveolar extractions and removal of simple impacted teeth Minor oral surgical procedures
- Management of Oro-facial infections
- Simple orthodontic appliance therapy
- Taking, processing and interpretation of various types of intra oral radiographs

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- Various kinds of restorative procedures using different materials available
- Simple endodontic procedures
- Removable and fixed prosthodontics
- Various kinds of periodontal therapy

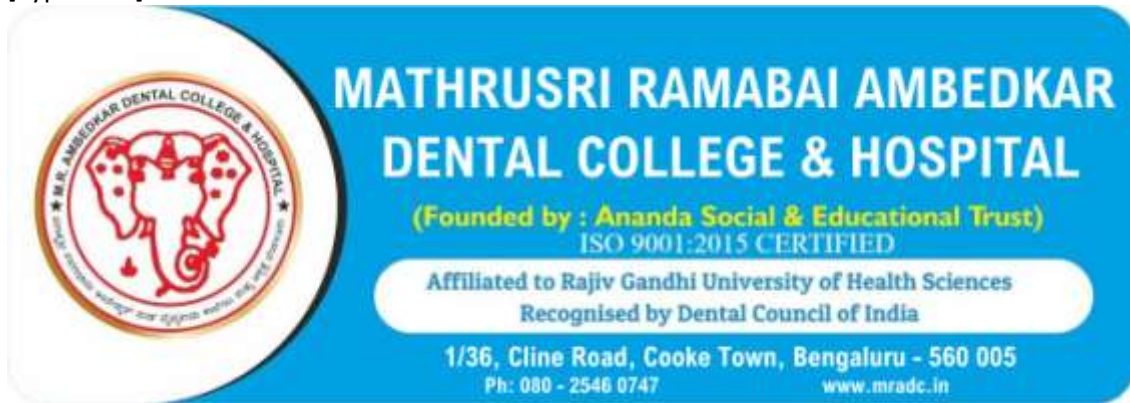


## ORAL MEDICINE & RADIOLOGY

- Able to identify precancerous and cancerous lesions of the oral cavity and refer to the concerned specialty for their management.
- Should have an adequate knowledge about common laboratory investigations and interpretation of their results.
- Should have adequate knowledge about medical complications that can arise while treating systemically compromised patients and take prior precautions/ consent from the concerned medical specialist.
- Have adequate knowledge about radiation health hazards, radiations safety and protection.
- Competent to take intra-oral radiographs and interpret the radiographic findings.
- Gain adequate knowledge of various extra-oral radiographic procedures, TMJ radiography and sialography.
- Be aware of the importance of intra- and extra-oral radiographs in forensic identification and age estimation.
- Should be familiar with jurisprudence, ethics and understand the significance of dental records with respect to law.

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### PAEDIATRIC & PREVENTIVE DENTISTRY

- Able to instil a positive attitude and behaviour in children towards oral health and understand the principles of prevention and preventive dentistry right from birth to adolescence.
- Able to guide and counsel the parents in regards to various treatment modalities including different facets of preventive dentistry.
- Able to treat dental diseases occurring in child patient.
- Able to manage the physically and mentally challenged disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions.



### ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

- Understand about normal growth and development of facial skeleton and dentition.
- Pinpoint aberrations in growth process both dental and skeletal and plan necessary treatment
- Diagnose the various malocclusion categories
- Able to motivate and explain to the patient (and parent) about the necessity of treatment
- Plan and execute preventive orthodontics (space maintainers or space retainers)
- Plan and execute interceptive orthodontics (habit breaking appliances)
- Manage treatment of simple malocclusion such as anterior spacing using removable appliances. Handle delivery and activation of removable orthodontic appliances
- Diagnose and appropriately refer patients with complex malocclusion to the specialist

### PERIODONTOLOGY

Diagnose the patient's periodontal problem, plan and perform appropriate periodontal treatment.

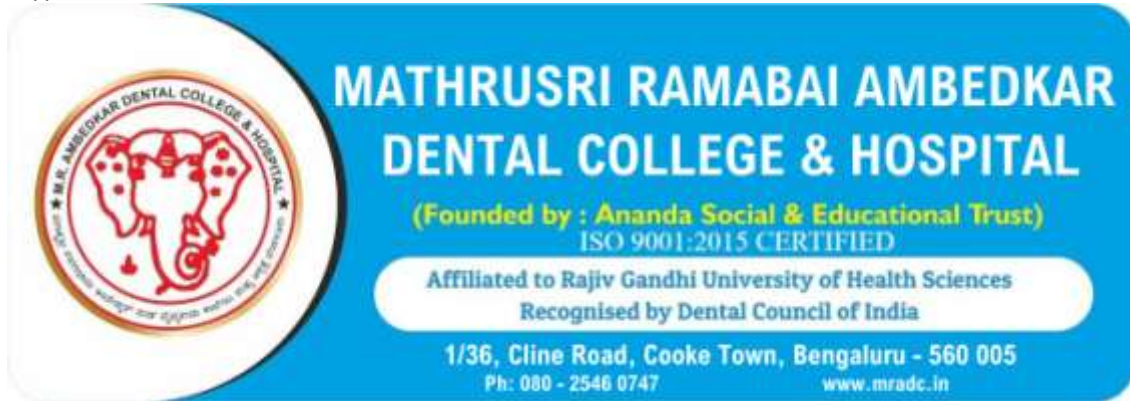
Competent to educate and motivate the patient

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- Competent to perform thorough oral prophylaxis, subgingival scaling, root planning and minor periodontal surgical procedures
- Give proper post treatment instructions and do periodic recall and evaluation
- Familiar with concepts of osseointegration and basic surgical aspects of implantology

#### PROSTHODONTICS AND CROWN & BRIDGE

- Able to understand and use various dental materials
- Competent to carry out treatment of conventional complete and partial removable dentures and fabricate fixed partial dentures
- Able to carry out treatment of routine prosthodontic procedures.
- Familiar with the concept of osseointegration and the value of implant-supported Prosthodontic Procedures

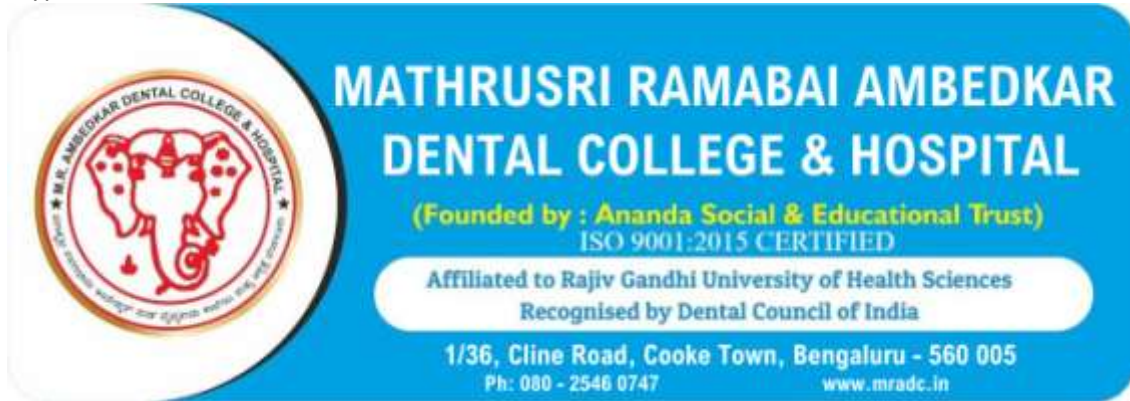
#### CONSERVATIVE DENTISTRY AND ENDODONTICS



- Competent to diagnose all carious lesions
- Competent to perform Class I and Class II cavities and their restoration with amalgam
- Restore class V and Class III cavities with glass ionomer cement
- Able to diagnose and appropriately treat pulpally involved teeth (pulp capping procedures)
- Able to perform RCT for anterior teeth
- Competent to carry out small composite restorations
- Understand the principles of aesthetic dental procedures

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## ORAL & MAXILLOFACIAL SURGERY

- Able to apply the knowledge gained in the basic medical and clinical subjects in the management of patients with surgical problems
- Able to diagnose, manage and treat patients with basic oral surgical problems
  - Have a broad knowledge of maxillofacial surgery and oral implantology
- Should be familiar with legal, ethical and moral issues pertaining to the patient care and communication skills
- Should have acquired the skill to examine any patient with an oral surgical problem in an orderly manner
- Understand and practice the basic principles of asepsis and sterilisation
- Should be competent in the extraction of the teeth under both local and general anaesthesia
- Competent to carry out certain minor oral surgical procedure under LA like trans-alveolar extraction, frenectomy, dento-alveolar procedures, simple impaction, biopsy, etc.
- Competent to assess, prevent and manage common complications that arise during and after minor oral surgery
- Able to provide primary care and manage medical emergencies in the dental office
- Familiar with the management of major oral surgical problems and principals involved in the inpatient management

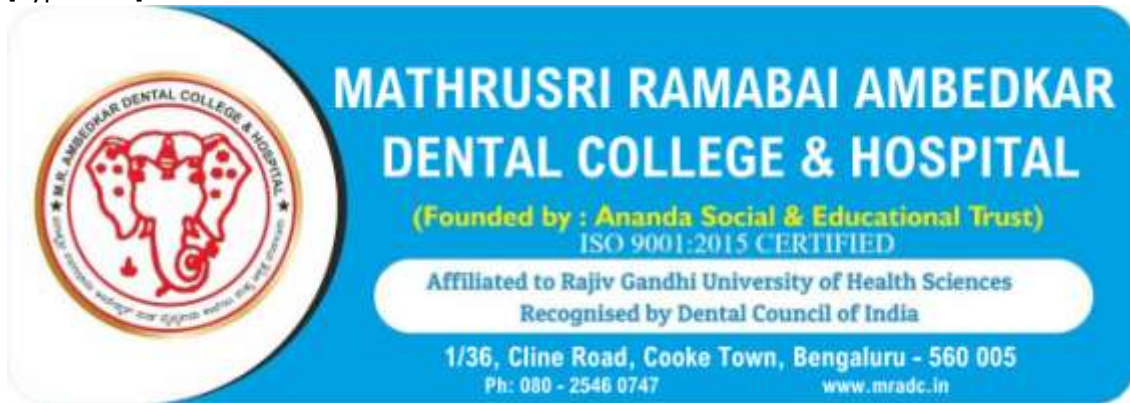


## PUBLIC HEALTH DENTISTRY

- Apply the principles of health promotion and disease prevention
- Have knowledge of the organization and provision of health care in community and in the hospital service
- Have knowledge of the prevalence of common dental conditions in India.
- Have knowledge of community-based preventive measures

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- Have knowledge of the social, cultural and environmental factors which contribute to health or illness.
- Administer and hygiene instructions, topical fluoride therapy and fissure sealing.
- Educate patients concerning the aetiology and prevention of oral disease and encourage them to assure responsibility for their oral health.



#### ORAL PATHOLOGY AND MICROBIOLOGY

- Proficiency in identifying and interpreting oral lesions, tissue abnormalities and other pathological conditions within the oral cavity.
- Ability to analyse oral tissue samples using histologic techniques to identify and classify diseases.
- Capability to conduct research in oral pathology and microbiology to advance knowledge in the field.
- Effective communication with patients to explain diagnosis and treatment options, as well as provide preventive oral health advice.
- In-depth understanding of oral microbiology, including the study of bacteria, viruses and fungi that can affect oral health.
- Ability to identify and assess various developmental abnormalities of both hard tissue and soft tissues of the oral cavity and schedule the required treatment plan.

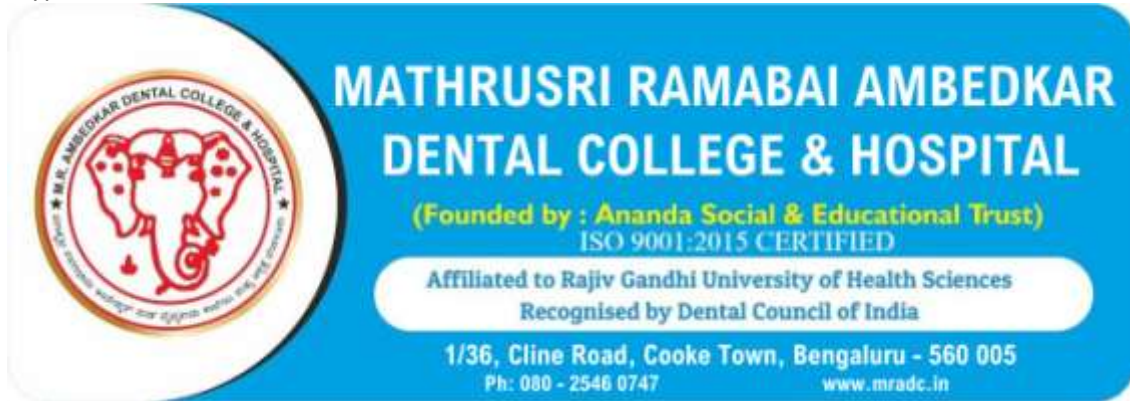
#### EVALUATION OF GRADUATE ATTRIBUTES

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The evaluation of attainment of graduate attributes is a continuous process which is not limited to a single examination. Based on the criteria developed by the affiliating university, the objective of performance assessment is to measure the effectiveness of the program.



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Evaluation is achieved with 2 processes:

1. Formative assessment
2. Summative assessment

It is carried out through the following:

- Written test
- Practical
- Clinical examination
- Viva voce



In addition to this practical and clinical competencies are evaluated through :

Objective structural clinical evaluation , Records and Log books, Scheme of clinical and practical examination, viva voce.

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