**ANNAMALAI UNIVERSITY**

**RAJAH MUTHIAH DENTAL COLLEGE & HOSPITAL**

**ASSIGNMENTS**

**DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS**

**FACULTY OF DENTISTRY**

**ANNAMALAI UNIVERSITY**

**ASSIGMENT**

**UNDERGRADUATES – BDS—IV YEAR**

TITLE: FUNCTIONAL APPLIANCES

QUESTIONS

1. BRIEF HISTORY OF FUNTIONAL APPLIANCES

2. AGE FACTOR AND FUNCTIONAL APPLINACES

3. ACTIVATOR

4. FRANKEL’S FUNCTION REGULATOR- ALL TYPES

**CONSERVATIVE DENTISTRY & ENDODONTICS**

* Surgical Endodontics
* Traumatic injuries-Tooth
* Endo Perio relationship
* Cast Restorations
* Veneering
* Hyper sensitivity – Denture

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**PERIODONTOLOGY**

* Supportive Periodontal Treatment
* Occlusal therapy and splinting
* Surgical concepts of implant therapy
* The periodontal flap
* Biofilm and periodontal Microbiology

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Department of Oral & Maxillofacial Surgery

Final year

* Define cyst and write in detail about etiology, clinical features and treatment of odontogenic keratocyst.
* Define & classify impactions write in details about management of impacted maxillary canine.
* Define space infections. Write in detail about boundaries clinical features and management of pterygo mandibular space infections.
* Write in detail about the anatomy of maxillary sinus and elaborate on management of chronic oro antral fistula.

**Department of Paediatric Dentistry**

**Final year**

  **Exam-orientation preparation during lock-down**

Instructions : Students are requested to write the following essay questions (10 marks format) and the same has to be handed over to the department on the day of college reopening.

1. Classify the theories of child psychology. Enumerate the stages of theory of cognitive development. Write in detail about the preoperational period and its dental application.
2. List the various non pharmacological methods of behaviour management. Write in detail about aversive conditioning.
3. Define growth and development. List the various theories of growth and development. Write in detail about functional matrix concept.
4. Define interceptive orthodontics. Elaborate in detail about space management in primary dentition.
5. Define and classify ECC. Enumerate the developmental stages of ECC. Elaborate on the management of ECC.
6. Elaborate on the various methods of sterilization and disinfection in a paediatric dental setup. Elaborate on the various personal protective equipments (PPE) to be used.
7. Classify traumatic injuries of teeth. Add a note on incidence and prevalence of traumatic injuries. Write in detail about management of an avulsed maxillary central incisor in a 6 year old child.
8. Define and classify habits. Write in detail about the etiology, clinical features and management of mouth breathing habit.
9. Define pulpectomy. Write in detail about the indications, contraindications and clinical procedure of pulpectomy. Add a note on recent advances in primary tooth obturating materials.
10. Write in detail about the oral manifestations and management of haemophiliac child patient in the dental operatory.

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Department of Oral Medicine and Radiology

Assignments to be done in Covid 19 lockdown

Assignment 1

ESSAY

1. Classify red and white lesions of oral mucosa. Discuss clinical features, histopathology and management of leukoplakia.
2. Classify salivary gland disorders. Describe etiopathogenesis, oral manifestations, investigation and management of sjogrens syndrome.
3. Classify vesiculobullous lesions of the oral cavity. Discuss the clinical features, differential diagnosis and management of herpetic gingivostomatitis.

Short notes

1. Trigeminal neuralgia
2. Causes of cervicofacial lymphadenopathy
3. Use of corticosteroid therapy in oral medicine
4. Gingival hyperplasia
5. Management of oral leukoplakia
6. Oral manifestation of AIDS
7. Management of the end-stage renal patient in the oral medicine clinic

 8.Toluidine blue in oral cancer and precancer

 9. Diagnostic methods for assessment of orofacial pain.

 Assignment 2

ESSAY

1. Discuss radiation protection measures for the patient and operator in detail.

2. Enumerate faulty intra oral radiographs. Describe the causes and rectification methods for each.

3.. Discuss the various biologic interactions of X-rays with matter.

 Shortnotes

1. Occlusal view
2. Differential diagnosis of periapical radiolucent lesions
3. Principle, advantage and disadvantage of orthopantomograph
4. Intensifying screens
5. Radiographic features of fibrous dysplasia
6. Osteoradionecrosis
7. Causes and rectification methods of a dark flim
8. Radiographic features of various types of osteomyelitis
9. Pericoronal radiolucencies.

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**DIVISION OF PUBLIC HEALTH DENTISTRY**

**FINAL YEAR BDS ASSIGNMENT**

**ASSIGNMENT 1**

**RESEARCH METHODOLOGY**

**Cover the subheadings –**

* Definition of Research (Health Research Methodology, WHO - 2001)
* Objectives of research
* Types of research
* Health research triangle
* Criteria for good research
* Steps in Research process

a) Formulating research problem

b) Literature survey

c) Development of Working Hypothesis

d) Preparing Research Design

e) Determining Sample Design and Sample Size (Probability and Non-probability
sampling designs)

f) Execution of Project (Collection of Data)

g) Analysis of Data and Presentation of Data

h) Generalizations and Interpretations

i) Preparation of Report or Thesis

- Collection of Data

a) Measurement Scales (Nominal, Ordinal, Interval and Ratio Scales)

b) Types of data (Quantitative and Qualitative; Continuous and Discrete; Primary and Secondary)

c) Methods of Data collection (Observation, Interview and Questionnaires)

- Presentation of Data

a) Tabulations (Simple table, Master table and Frequency distribution table)

b) Charts or Diagrams

 i) Presentation of Quantitative data – Histogram, Frequency polygon, Frequency curve, Line graph, Cumulative frequency polygon/Ogive, Scatter plot diagram, Stem and leaf plot and Box whisker plot

ii) Presentation of Qualitative data – Bar diagram, Pie diagram, Pictogram and Cartogram

**Reference Book Link -**

[**https://www.pdfdrive.com/research-methodology-e33404795.html**](https://www.pdfdrive.com/research-methodology-e33404795.html)

[**https://apps.who.int/iris/bitstream/handle/10665/206929/929061157X\_eng.pdf?sequence=1&isAllowed=y**](https://apps.who.int/iris/bitstream/handle/10665/206929/929061157X_eng.pdf?sequence=1&isAllowed=y)

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**DIVISION OF PROSTHODONTICS**

**FINAL YEAR BDS ASSIGNMENT**

1.Define Impression ? Write in detailed about the various objectives of Impression?

2.Centric relation ?

3.Occlusion in complete denture ?

4.Principles of Tooth Preparation ?

5.Abutment evaluation ?

6. Soft tissue / Gingival retraction ?