

**POSTGRADUATE INSTITUTE OF MEDICINE**  
**UNIVERSITY OF COLOMBO**

**MD (RESTORATIVE DENTISTRY) EXAMINATION**  
**MARCH 2019**

**PAPER I**

**Date:** 18<sup>th</sup> March 2019

**Time:** 1.00 pm - 4.00 pm

**Answer all six (06) questions.**

**Each question should be answered in a separate book.**

01. 1.1. Outline the management of avulsion injuries of permanent teeth.  
(65 marks)
- 1.2. How would you manage ankylosis and infra occlusion in a young patient?  
(35 marks)
02. 2.1. Describe the effects of the endodontic treatment on tooth structure.  
(30 marks)
- 2.2. State the factors you would consider when planning restorations for endodontically treated teeth with a brief explanation for each.  
(30 marks)
- 2.3. Write an account on the materials used for direct restoration of endodontically treated teeth.  
(40 marks)
03. 3.1. How would you assess the necessity/ need of replacing a missing upper 1<sup>st</sup> molar in a 50 year old patient who has an otherwise intact dentition?  
(50 marks)
- 3.2. Discuss the limitations of an implant retained crown in the above situation.  
(50 marks)

04. A 65 year old male requests replacement of poorly retained maxillary complete denture which has been worn for ten years. Examination revealed a moderately resorbed edentulous maxillary arch which is opposed by an intact natural dentition.
- 4.1 State the problems to be expected when making a conventional denture for this patient. (25 marks)
  - 4.2 How could these problems be overcome during conventional denture fabrication? (35 marks)
  - 4.3 What are the alternative replacement options available and how would you select the most appropriate option? (40 marks)
05. People are living longer and retaining their natural teeth.
- 5.1. What are the general challenges in managing elderly patients? (25 marks)
  - 5.2. What are the clinical challenges in managing elderly patients? (25 marks)
  - 5.3. How would you overcome these challenges? (50 marks)
06. Acquired soft palate defects pose specific challenges.
- 6.1. What are the problems faced by a patient with an acquired soft palate defect? (25 marks)
  - 6.2. Outline the clinical procedure for making a speech aid prosthesis for a dentate patient. (50 marks)
  - 6.3. How would you assess the success of a speech aid prosthesis? (25 marks)

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**PAPER II**

**Date:** 19<sup>th</sup> March 2019

**Time:** 9.00 am - 12.00 noon

**Answer all six (06) questions.**

**Each question should be answered in a separate book.**

1. The 2017 World workshop classification (AAP & EFP) has proposed a 'staging and grading' system for periodontitis that can be implemented in clinical practice.  
*(AAP & EFP = American Academy of Periodontology & European Federation of Periodontology)*
  - 1.1 Outline the stages and grades of the above classification with special emphasis on the relevance of staging and grading in the management of patients with dental biofilm-induced periodontitis. (60 marks)
  - 1.2 Outline how BPE (Basic Periodontal Examination) can be used as a screening tool, and then to proceed for a definitive diagnosis of dental biofilm-induced periodontal diseases in the above classification. (40 marks)
  
2.
  - 2.1. Outline the impact of restorations and restorative procedures on periodontal health. (60 marks)
  - 2.2. Describe the mucogingival procedures which can improve the dentofacial esthetics of a patient with restorative treatment needs. (40 marks)

Contd/..2..

3. 3.1. How would you assess a child patient who is seeking treatment for a traumatically intruded maxillary permanent incisor tooth? (25 marks)
- 3.2. List the different treatment options for managing an intruded upper permanent incisor tooth in a 9-year-old child. (40 marks)
- 3.3. Outline the consequences of the intrusive luxation injury of the **primary** upper incisor tooth. (35 marks)
  
4. A 6-year-old child presents with multiple caries in upper anterior teeth and few posterior teeth and an abscess in relation to left lower second primary molar tooth.
  - 4.1. List the aetiological factors for this condition. (10 marks)
  - 4.2. Giving reasons state the possible treatment options for the left lower second primary molar tooth. (30 marks)
  - 4.3. If this child is with tetralogy of Fallot, state the short term and long-term treatment strategies for the left lower second primary molar tooth. (30 marks)
  - 4.4. Outline the preventive measures that you would introduce for this child. (30 marks)
  
5. A 13-year-old male presents with a history of having had the permanent upper right central incisor extracted due to caries three years ago. He was given an upper partial denture which he did not wear.
  - 5.1. What are the possible problems you may expect to see in the upper labial segment of this patient? (20 marks)
  - 5.2. How do you arrive at a problem list for this patient? (40 marks)
  - 5.3. Outline how your findings in 5.2. will influence the treatment options. (40 marks)

6. 6.1. List four (04) craniofacial anomalies of differing aetiologies. (20 marks)
- 6.2. Outline the aetiology/aetiologies of the above mentioned anomalies. (20 marks)
- 6.3. How do you diagnose craniofacial anomalies? (20 marks)
- 6.4. What are the principles of management of craniofacial anomalies? (40 marks)