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POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO
MD (RESTORATIVE DENTISTRY) EXAMINATION
2022
PAPER – I

Date: 12th September, 2022

Time: 2.30pm – 5.30pm

Answer all six (06) questions.

Each question should be answered in a separate book.

1.

1.1 What are the indications for Peri-apical surgery? (20 marks)

1.2 In what situations would peri-apical surgery not be the first treatment of choice?
(30 marks)

1.3 Describe the surgical principles of peri-apical surgery. (50 marks)

2.

2.1 Outline the factors that compromise the restorability of a tooth that has a healthy periodontium. (40 marks)

2.2 Outline how you would assess such a tooth mentioned in 2.1 (30marks)

2.3 Discuss the restorative techniques practiced in restoring a tooth with a challenging prognosis. (30 marks)

3.

A 61-year-old partially dentate male presents with chief complaints of difficulty in swallowing and impaired speech. He has undergone partial resection of the tongue due to squamous cell carcinoma.

3.1 What factors need to be considered when formulating a prosthetic care plan? (50 marks)

3.2 Discuss the prosthetic rehabilitation you may consider for this patient to improve the quality of life. (50 marks)

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4.

Several tooth and implant supported options are available for replacement of missing teeth in partially dentate adults.

4.1 Discuss the factors to be considered when selecting the most suitable option for the above?
(60 marks)

4.2 What are indications for cement retained implant prosthesis compared to screw retained ones.
(40 marks)

5.

A fit and healthy 60-year-old male requests a complete maxillary denture. He recently had his remaining maxillary anterior teeth extracted due to caries, having lost the maxillary posterior teeth and the mandibular first molar teeth many years ago.

Examination revealed a well-developed edentulous maxillary arch. There was attrition on the mandibular anterior teeth. The mandibular posterior teeth were tilted, mal-positioned and supra-erupted.

5.1 What factors should be considered when providing an upper complete denture?
(20 marks)

5.2 What possible problems are anticipated during the treatment and once the dentures are worn?
(30 marks)

5.3 How can the above problems be overcome?
(50 marks)

6.

6.1 List three occlusal schemes for complete dentures and indications for each of them.
(30 marks)

6.2 Describe one occlusal scheme suitable for a completely edentulous patient with severely resorbed ridges.
(40 marks)

6.3 List five advantages of the above-described occlusal scheme.
(30 marks)

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MD (RESTORATIVE DENTISTRY) EXAMINATION -2022

PAPER – II

Date: 13th September, 2022

Time: 8.30 a.m.- 11.30 a.m.

Answer all six (06) questions.

Each question should be answered in a separate book.

1.

1.1 What is meant by “peri-implant diseases”? (20 marks)

1.2 Outline the assessment and diagnosis of a patient with peri-implant disease (40 marks)

1.3 State the risk factors for peri-implant diseases (30 marks)

1.4 List the treatment stages in the management of peri-implant diseases (10 marks)

2.

2.1 List the types of trauma from occlusion and outline the aetiological factors (30 marks)

2.2 State the clinical and radiographic indicators of trauma from occlusion (20 marks)

2.3 Outline the tissue responses to increased occlusal forces (20 marks)

2.4 What are the treatment goals for trauma from occlusion? (30 marks)

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3.

- 3.1. Outline the different types of pulp therapy used in primary and immature permanent teeth giving indications (20 marks)
- 3.2. Compare and contrast the pulp therapy used for primary and immature permanent teeth (50 marks)
- 3.3. Giving reasons, state how medical conditions affect pulp therapy procedures in primary teeth (30 marks)

4. A 15-year-old patient presented with an extruded 11 with a history of trauma to their teeth.

- 4.1 What information would you gather from the history? (20 marks)
- 4.2 Giving reasons state the investigation that you would order for this child (10 marks)
- 4.3 Outline the management strategies recommend for tooth 11 (50 marks)
- 4.4 What are the possible complications anticipated from this type of tooth injury? (20 marks)

5.

- 5.1 What is the incidence of Orthodontically Induced Inflammatory Root Resorption (OIIRR)? (10 marks)
- 5.2 List the factors that influence the extent of OIIRR (40 marks)
- 5.3 What are the clinical consequences of OIIRR? (25 marks)
- 5.4 How do you minimise OIIRR? (25 marks)

6. A 9-year-old patient with a unilateral cleft defect is awaiting alveolar bone graft surgery (ABGS).

- 6.1 What is the rationale for performing ABGS at this age? (10 Marks)
- 6.2 Outline the surgical principles followed in ABGS (40 Marks)
- 6.3 List two methods of assessing the success of AGBS (20 Marks)
- 6.4 List the potential benefits from a successful ABGS (30 marks)