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POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (RESTORATIVE DENTISTRY) EXAMINATION – AUGUST 2021

PAPER I

Date:- 5th August 2021

Time:- 2.30 p.m. – 5.30 p.m.

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

Each question should be answered in a separate book.

1. The ongoing COVID-19 pandemic has posed several challenges in routine restorative care for patients and restorative dentists.

1.1. Outline the issues faced by patients in terms of restorative care. (30 marks)

1.2. Explain the difficulties faced by a restorative dentist and the changes that should be made to overcome such challenges. (70 marks)

2.

2.1. Outline four (04) different adhesive restorative techniques in the management of the worn dentition. (20 marks)

2.2. Discuss the advantages of each treatment option mentioned above. (40 marks)

2.3. Discuss the disadvantages of the above options. (40 marks)

3.

3.1. Outline the problems associated in the long-term management of a 65-year-old patient suffering with a unilateral facial paralysis who requires an upper partial denture and a lower complete denture. (30 marks)

3.2. Discuss the management of the above patient. (70 marks)

Contd..../2-

4. A 40-year-old female seeks replacement of missing 14, 26 and 36 in an otherwise intact dentition.
- 4.1. What are the factors to be considered when deciding the need for replacement and possible treatment options for this patient? (40 marks)
- 4.2. How would you design the retention and resistance form to secure the prosthesis in each treatment option you may consider for this patient? (60 marks)
- 5.
- 5.1. Outline the challenges faced by a prosthodontist in the management of a partially dentate elderly patient. (40 marks)
- 5.2. Explain the techniques and options that could be adopted in dealing with the above challenge. (60 marks)
- 6.
- 6.1. What maxillo-mandibular relationship records are used in complete denture making? (30 marks)
- 6.2. Describe the significance of recording the above mentioned relationships. (70 marks)

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Date:- 6th August 2021

Time:- 8.30 a.m. – 11.30 a.m.

PAPER II

Answer all six (06) questions.

Each question should be answered in a separate book.

1.
 - 1.1. Describe the factors which would influence the success of periodontal regenerative therapy. (40 marks)
 - 1.2. Outline the role of
 - 1.2.1. platelet rich fibrin in periodontal regenerative therapy. (20 marks)
 - 1.2.2. exogenous hyaluronan in periodontal treatment. (10 marks)
 - 1.3. List the advantages of using sub-epithelial connective tissue grafts in the management of gingival recession. (30 marks)

2.
 - 2.1. Describe the rationale behind the use of antibiotics in periodontal therapy. (60 marks)
 - 2.2. What are the methods of delivery of antibiotics in periodontal therapy? (30 marks)
 - 2.3. State two (02) other methods of adjunctive interventions which can be used as supplementation to subgingival instrumentation based on the evidence available. (10 marks)

3. A 6-year-old child presents with pain from tooth 85 for the past five days.
 - 3.1. Outline how you would diagnose the status of the pulp. (30 marks)
 - 3.2. How would you determine the type of the pulp therapy for the above tooth? (40 marks)
 - 3.3. State the medicaments used in the above mentioned type of pulp therapy. (20 marks)
 - 3.4. If this patient had cyanotic heart disease, how would your management change? (10 marks)

Contd.,...../2

4. An 8-year-old child presents a few hours following a traumatic dental injury to her 11 and 12 teeth. History and examination are suggestive of lateral luxation injury of the 11 and extrusive luxation injury of the 12.
 - 4.1. Outline the radiographic changes that you would observe immediately after trauma in both teeth. (20 marks)
 - 4.2. Outline the initial management strategies that would be carried out for 11 and 12 teeth. (20 marks)
 - 4.3. Outline the possible complications that could occur one year after the trauma. (30 marks)
 - 4.4. Outline how you would manage the complications that you mentioned above. (30 marks)

5. Early loss of primary teeth leads to significant problems in the developing dentition.
 - 5.1. What are the possible effects on the permanent dentition? (20 marks)
 - 5.2. Outline the factors you would consider when you plan to maintain the spaces. (30 marks)
 - 5.3. What are the ideal features of a patient for space maintainers? (20 marks)
 - 5.4. What are the space maintainers available for a 9-year-old child who has lost the lower 2nd primary molar? Include two (02) advantages and two (02) disadvantages for each space maintainer you mentioned. (30 marks)

6. A 40-year-old patient presents with difficulty in opening the mouth.
 - 6.1. How would you assess this patient? (30 marks)
 - 6.2. List possible differential diagnoses. (30 marks)
 - 6.3. List investigations necessary to confirm the diagnosis. (20 marks)
 - 6.4. Outline the management of one of the conditions mentioned in 6.2. (20 marks)