

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

SELECTION EXAMINATION IN MD (RESTORATIVE DENTISTRY) -
NOVEMBER 2012

Date :- 21st November 2012

Time :- 1.00 p.m. – 4.00 p.m.

PAPER 1.3

Answer three (03) question from each part .
Answer each question in a separate book.

PART A (GENERAL ANATOMY)

1.
 - 1.1. Describe the relations of the left sternocleidomastoid muscle. (80 marks)
 - 1.2. Describe the actions of sternocleidomastoid muscle. (20 marks)
2.
 - 2.1. Describe the parasympathetic supply of the parotid and submandibular glands. (80 marks)
 - 2.2. Describe the conditions of aberrant innervation with regard to the nerves you mentioned in 2.1. (20 marks)
3.
 - 3.1. List five (05) muscles of facial expression and indicate their actions. (10 marks)
 - 3.2. Describe the
 - 3.2.1. venous drainage of the face. (25 marks)
 - 3.2.2. sensory supply of the face. (25 marks)
 - 3.3. Indicate the clinical significance of 3.2.1. and 3.2.2. (40 marks)
4.
 - 4.1. Describe the macroscopic anatomy of the tongue. (60 marks)
 - 4.2. Describe the importance of the innervation and lymphatic drainage of the tongue in clinical practice. (40 marks)

Contd.../2-

PART B (DENTAL ANATOMY)

5.
 - 5.1. List the factors that influence the reparative response of the dentine-pulp complex. (30 marks)
 - 5.2. Explain how the factors mentioned in 5.1 respond in reparative process of the dentine-pulp complex. (30 marks)
 - 5.3. Explain how the age changes in the dentine-pulp complex
 - 5.3.1. render it more resistant to environmental injury. (20 marks)
 - 5.3.2. decrease the ability to repair itself. (20 marks)
6.
 - 6.1. List the factors that cause delayed tooth eruption. (30 marks)
 - 6.2. Explain what is meant by mesial (approximal) drift of teeth. (20 marks)
 - 6.3. State the forces that cause the mesial drift. (30 marks)
 - 6.4. Explain how the understanding of mesial drift helps in clinical practice. (20 marks)
7.
 - 7.1. Describe the enamel surface. (40 marks)
 - 7.2. Explain how the knowledge of the structure of the enamel helps you to understand the process of
 - 7.2.1. fluoridation (20 marks)
 - 7.2.2. adhesion of restorative materials (20 marks)
 - 7.2.3. dental caries (20 marks)
8. Write notes on the following :
 - 8.1. Epithelial component of the deŋto-gingival junction. (40 marks)
 - 8.2. Pulp stones (30 marks)
 - 8.3. Dentinal tubules (30 marks)