

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (ORTHOPAEDIC SURGERY) EXAMINATION – JULY 2017

Date :- 24th July 2017

Time :- 2.00 p.m. – 4.00 p.m.

PAPER I

Answer **all four (04)** questions.

Answer each question in a separate book.

1. A 45-year-old male is brought by the paramedics to the accident and emergency department after a major road traffic accident. His cervical spine has been stabilised with a Philadelphia collar and he vocalises rationally. Major intrathoracic injuries have been excluded in the primary survey. His pulse rate is 140 beats/minute, blood pressure 80/40 mmHg and he appears pale and restless.

Describe the evaluation and immediate management of this patient.

(100 marks)

2. Write notes on:

- 2.1. Expansile radiolucent lesion of the distal radius in a 20-year-old male. (40 marks)

- 2.2. Embryology of limb bud formation and clinical relevance. (30 marks)

- 2.3. Floating elbow. (30 marks)

3. Enumerate the complications that could occur in limb reconstruction treatment and discuss how to prevent and manage them. (100 marks)

4. Write short notes on:

- 4.1. Anatomy of the postero-lateral corner of the knee and comment on the clinical relevance for stability. (50 marks)

- 4.2. Periprosthetic infection. (50 marks)

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MD (ORTHOPAEDIC SURGERY) EXAMINATION – JULY 2017

Date :- 25th July 2017

Time:- 9.00 a.m. – 11.00 a.m.

PAPER II

Answer all four (04) questions.

Answer each question in a separate book.

1. A 75-year-old woman complains of severe pain in her left thigh and inability to walk following a fall in her bathroom. On examination her left leg is externally rotated and there is severe pain and swelling of the thigh. She gives a history of having total hip replacement done 9 years ago.

Discuss the principles of management of this lady (infection of the prosthesis has been excluded). (100 marks)

2. A 58-year-old man is suspected to have a soft tissue malignancy in his right thigh.
 - 2.1. Briefly explain the clinical features that could have led to the diagnosis. (20 marks)
 - 2.2. Discuss the use of different biopsy techniques and basic principles to be followed when doing an incisional biopsy on this lesion. (40 marks)
 - 2.3. Describe how you plan surgical treatment if malignant soft tissue tumor is confirmed in this patient. (40 marks)

3. A four year old child presents to you with a short right lower limb with a limb length difference (LLD) of 6 cms and predicted LLD of 12 cms.
 - 3.1. What are the causes for limb length discrepancy and name the known pathologies? (20 marks)
 - 3.2. How will you investigate this child if it was a congenital short femur as the cause for LLD? (20 marks)
 - 3.3. What is your plan of management of this child to equalise limb lengths? (30 marks)
 - 3.4. What are the techniques available and describe in brief each of these methods and the rationale? (30 marks)

4. A 48-year-old lady comes to accident & emergency department with a deformed ankle following fall in to a ditch.
 - 4.1. Discuss classifications and the mechanism of injury of ankle fractures. (50 marks)
 - 4.2. What is your management strategy for each of these injuries? (50 marks)