

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (ORTHOPAEDIC SURGERY) EXAMINATION
JULY / AUGUST 2012

Date :- 30th July 2012

Time ; 2.00 p.m. – 4.00 p.m.

PAPER 1

Answer all four questions.

Answer each question in a separate book.

1. A 25 year old man is brought to the emergency department following a road traffic accident.
There is a large swelling in the right thigh with bruising of the overlying skin. he is agitated and restless, with cold extremities, absent foot pulses (on both sides), radial pulse rate of 110/minute, upper arm blood pressure of 90/70mmHg and a respiratory rate of 20/minute. There are no apparent injuries elsewhere.
 - 1.1. Explain these clinical observations.
 - 1.2. Describe how you would manage this man in the first hour.
 - 1.3. Discuss how you would exclude/confirm the diagnosis of an occlusive arterial injury in the right thigh.
2. A 75 year old male patient presents to the emergency department after a fall and is found to have a fracture neck of femur.
Discuss how you would assess and optimize this patient prior to surgery.
3. Discuss the following –
 - 3.1. Assessment of bone mineral density.
 - 3.2. Drugs in the management of osteoporosis.
4. Discuss the following –
 - 4.1. Criteria for diagnosis of rheumatoid arthritis.
 - 4.2. Investigation in a patient with rheumatoid arthritis.
 - 4.3. Drug management of a patient with rheumatoid arthritis.

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JULY / AUGUST 2012

Date :- 31st July 2012

Time : 9.30 a.m. – 11.30 a.m.

PAPER 1I

Answer **all four** questions.

Answer each question in a separate book.

1. A manual worker presents with pain and swelling of his right index finger. He gives a history of fever for three days. There is no definite history of trauma.
 - 1.1. What is the differential diagnosis ?
 - 1.2. How would you differentiate each condition ?
 - 1.3. Discuss principles of management of each condition.

2. A 35 year old male is brought to the emergency department two hours after a road traffic accident. The secondary survey of the patient revealed an open intr-articular fracture of tibial plateau.
 - 2.1. Outline the features on the plan x-ray and describe how these features influence your definitive management.
 - 2.2. Discuss the early management of the fractured limb.
 - 2.3. List the possible complications associated with this injury and how you would avoid these complications.

3. A 23 year old professional rugby player presents with recurrent dislocation of his right shoulder joint.
 - 3.1. Describe your clinical assessment (history and examination).
 - 3.2. Discuss the patho-anatomical basis of the investigations that you would carry out.
 - 3.3. Discuss the surgical options available for this patient.

4. A neonate is referred to you with bilateral club feet at day three post delivery.
 - 4.1. Describe your clinical assessment of this child
 - 4.2. Describe your initial management of this child upto age 6 months.
 - 4.3. The feet have partially corrected but the child still has significant deformity. You decide that further surgical treatment is indicated.

Describe your operative approach including postoperative care upto age 18 months.