

POSTGRADUATE INSTITUTE OF MEDICINE  
UNIVERSITY OF COLOMBO

MD (ORTHOPAEDIC SURGERY) EXAMINATION –  
AUGUST 2013

**Date :-** 26<sup>th</sup> August 2013

**Time :-** 2.00 p.m. – 4.00 p.m.

PAPER I

Answer **all four** questions.

Answer each question in a separate book.

1. Discuss the different methods of achieving skin and soft tissue cover.
2. Discuss the safe use of tourniquets in upper and lower limb surgery and the complications of their use.
3. Describe the principles of MRI and its uses in imaging the joints.
4. Outline the principles of management of bone loss in lower limb trauma.

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**MD (ORTHOPAEDIC SURGERY) EXAMINATION –**  
**AUGUST 2013**

**Date :-** 27<sup>th</sup> August 2013

**Time :-** 9.30 a.m. – 11.30 a.m.

**PAPER II**

Answer **all four** questions.

Answer each question in a separate book.

1. A 40 year old male labourer is admitted to the accident service after a fall from a height of twenty feet, 30 minutes prior to admission. He complains of pain in the region of the lower thoracic spine and inability to move his lower limbs. He has had no loss of consciousness and is able to answer questions.
  - 1.1. Outline the initial assessment of this patient.
  - 1.2. Assuming that he has only the spinal injury, discuss the management of this patient prior to definitive surgery.
  
2. An 8 year old child fell from play equipment and incurred a displaced fracture of the lateral condyle of the humerus.
  - 2.1. Outline your management plan.
  - 2.2. Describe how you would explain the long term effects of this injury to the parents.

Contd..../2-

3. A 60 year old female presents with painless, abnormal movement in her right mid arm. She had had a fall eight months ago and taken ayurvedic treatment. A radiograph taken soon after the fall shows a transverse fracture of the mid shaft of the humerus. She is otherwise in good health.

Describe the likely findings in an x-ray taken now and discuss how you would treat this patient.

4. A 65 year old female complains of pain and swelling in her left knee of five days duration. She has had a left knee replacement done three weeks ago. The incision appears fully healed. She had no co-morbidity.
  - 4.1. Discuss the features (clinical and laboratory investigations) on which you would diagnose an infection of the total knee replacement.
  - 4.2. Discuss your management, assuming that she has an infection.