

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (ORTHOPAEDIC SURGERY) EXAMINATION – FEBRUARY 2019

Date :- 25th February 2019

Time:- 2.00 p.m. – 4.00 p.m.

PAPER I

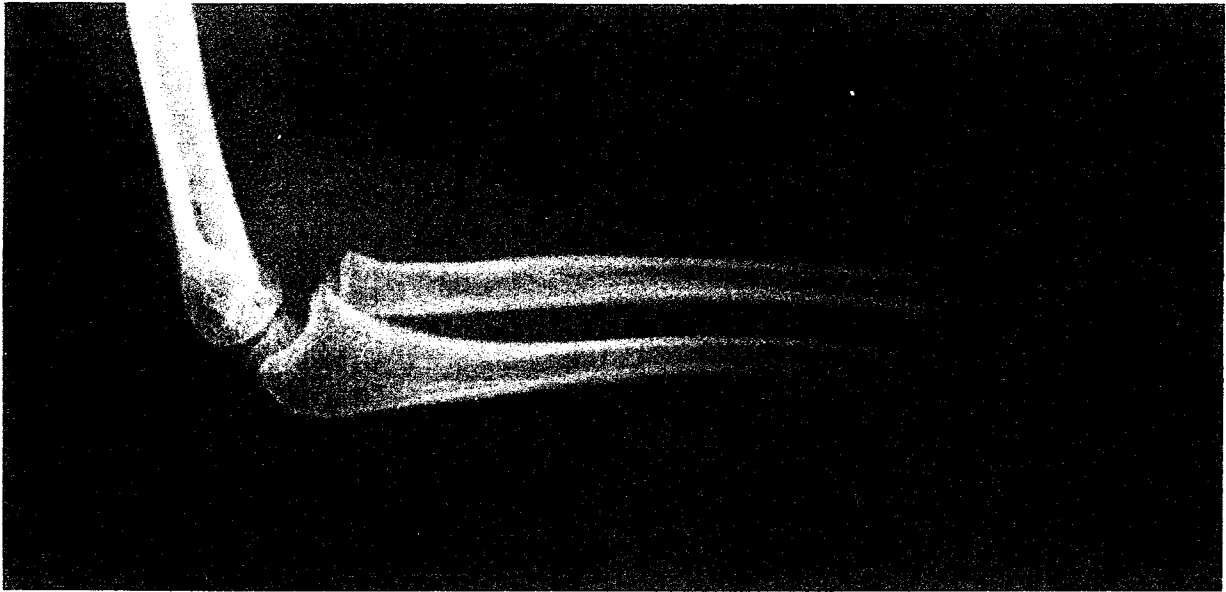
Answer **all four (04)** questions.

Answer each question in a separate book.

Keep your answers brief and to the point.

1.
 - 1.1. Define Enhanced Recovery After Surgery (ERAS) and outline the main objectives. (50 marks)
 - 1.2. Describe how the length of the hospital stay would be minimised by this programme. (50 marks)
2.
 - 2.1. Describe the blood supply of the femoral head and its changes with age. (40 marks)
 - 2.2. What are the causes and implications of compromise in blood supply in children and adults? (30 marks)
 - 2.3. Describe the new surgical approach based on the vascular study. (30 marks)
3.
 - 3.1. List the type of bone grafts and substitutes and describe their biological properties. (40 marks)
 - 3.2. Discuss the uses in orthopaedic practice with examples. (30 marks)
 - 3.3. Outline the morbidity and complications. (30 marks)

4. An 8 year old boy with injury to his right (dominant) forearm three months ago, treated by a native physician. Now, he has painless bump over anterior aspect of his right elbow with restricted elbow flexion. Below is his latest x-ray.



- 4.1. What is your diagnosis and the important radiological features? (15 marks)
- 4.2. How do you classify above injury patterns in relation to the original classification? (20 marks)
- 4.3. Outline your plan of management for this child (including your surgical plan). (50 marks)
- 4.4. Describe the possible consequences, if you decide to leave this child without any intervention. (15 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (ORTHOPAEDIC SURGERY) EXAMINATION – FEBRUARY 2019

Date :- 26th February 2019

Time:- 9.00 a.m. – 11.00 a.m.

PAPER II

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

Answer each question in a separate book.

Keep your answers brief and to the point.

1. A 42 year old male came to clinic with 8 months history of limping. He gives no history of trauma. Pain and limp is progressively increasing.
 - 1.2. How does clinical history and examination help in reaching the diagnosis? (30 marks)
 - 1.1. Discuss your investigations (20 marks)
 - 1.2. Discuss the management of this patient with avascular necrosis of femoral head. (50 marks)

2. A 32 year old male is brought to Accident & Emergency Department following a road traffic accident with an isolated injury of the upper tibia.
 - 2.1. Discuss the initial management and steps to avoid complications. (30 marks)
 - 2.2. Discuss the investigations in planning your management. (20 marks)
 - 2.3. How do you manage this patient if he has Schatzker type V tibial plateau fracture? (50 marks)

3. A 65 year old lady presents with neck pain and stiffness, especially with disturbed sleep due to pain for the last 3 weeks.
 - 3.1. What are your key history questions and clinical signs? (50 marks)
 - 3.2. How would you investigate and manage this patient? (50 marks)

4. A 60 year old, otherwise normal and active female is admitted with right shoulder injury following fall. X ray shows displaced 4 part fracture of the proximal humerus (AO: 11C3.1[2]) without dislocation of glenohumeral joint. She agrees for surgical intervention.
 - 4.1. What are your criteria for surgical intervention? (30 marks)
 - 4.2. What would be your preferred choice of management and discuss other alternative options? (70 marks)