

**POSTGRADUATE INSTITUTE OF MEDICINE**  
**UNIVERSITY OF COLOMBO**

**MD (ORTHOPAEDIC SURGERY) EXAMINATION – JULY 2021**

**Date:-** 26<sup>th</sup> July 2021

**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. Write short notes on ‘Necrotizing soft tissue infection’ with reference to the following headings.

1.1.1. Risk factors. (20 marks)

1.1.2. Pathophysiology and microbiology. (20 marks)

1.1.3. Clinical features. (20 marks)

1.2. Outline the management of ‘necrotizing soft tissue infection’. (40 marks)

2. A 47-year-old man is brought to a provincial general hospital half an hour after a road traffic accident. He has been the passenger in the front seat of a car which collided head on with a lamp post. He is conscious and rational and haemodynamically stable. He complains of severe pain in the right hip with inability to move. He has no other injuries.

2.1. List the possible hip injuries in this patient. (20 marks)

2.2. How would you evaluate this patient clinically and radiologically in order to arrive at a diagnosis? (30 marks)

2.3. This patient was found to have a posterior dislocation of his right hip and the X-ray taken after relocation shows non-concentric reduction of the hip.  
Discuss the definitive management of this injury. (50 marks)

Contd..../2-

3. This 2-day-old baby is referred to you by a paediatrician requesting you to assess his feet.



- 3.1. What is your diagnosis?  
List the combinations of foot deformities seen in this condition. (10 marks)
- 3.2. List the other areas you would like to examine in this baby, giving reasons. (10 marks)
- 3.3. Describe how you would assess the severity of the foot deformity. (10 marks)
- 3.4. Give an account of how you would explain the condition to the extremely anxious parents/grandmother. (20 marks)
- 3.5. Discuss how you would treat this baby.  
What is your final goal? (40 marks)
- 3.6. List the possible complications of your method of treatment. (10 marks)

4. A 52-year-old retired army soldier presents with progressive bilateral knee pain and varus deformity of the knees without lateral thrust for the past two years.
  - 4.1. List the salient points in the history and examination that will help in arriving at a diagnosis and planning the management. (20 marks)
  - 4.2. Which investigation is more relevant in this scenario and outline your analysis of this investigation?  
List other investigations which are relevant. (20 marks)
  - 4.3. Which surgical option would you offer this patient? (10 marks)
  - 4.4. Outline the principles of the surgical procedure, complications and prognosis. (50 marks)