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POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (ORTHOPAEDIC SURGERY) EXAMINATION
FEBRUARY/MARCH 2023

Date:- 27th February 2023

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. Describe the factors that determine the level of lower limb amputations. (40 marks)
 - 1.2. List the characteristics of an 'ideal' trans-tibial amputation. (20 marks)
 - 1.3. Outline rehabilitation following trans-tibial amputation in an otherwise healthy adult. (40 marks)
2. A three-week-old baby was referred by a paediatrician with the following knee deformity since birth.



- 2.1. What is the diagnosis? (10 marks)
- 2.2. State the aetiology of this clinical condition. (10 marks)
- 2.3. Classify this condition. (15 marks)
- 2.4. Outline the other areas you essentially examine in this baby. (15 marks)
- 2.5. Discuss treatment options and the follow up plan. (50 marks)

Contd.../2-

3. A 30-year-old football player complaining of difficulty in walking long distances, gives a history of a football tackle that injured his leg 6 months ago, for which he did not seek any medical attention. On examination, there was no bony tenderness and the knee was stable in all directions. The patient was unable to walk on his heels alone and had a very high stepping gait with the forefoot as initial contact.

3.1. List the causes of foot drop in this patient. (10 marks)

3.2. Outline Gage's pre-requisites on gait. Accordingly explain as to why this patient cannot walk long distances. (20 marks)

3.3. Discuss the management of this patient. (30 marks)

3.4. Outline the principles of tendon transfer. (40 marks)

4.

4.1. Describe the clinically relevant osteology and blood supply of the scaphoid. (20 marks)

4.2. Outline the clinical features and classification of acute scaphoid fractures. (30 marks)

4.3. Discuss the management options for acute scaphoid fractures. (50 marks)