

UNIVERSITY COLLEGE LONDON

UNIVERSITY OF LONDON

EXAMINATION FOR INTERNAL STUDENTS

FOR THE FOLLOWING QUALIFICATIONS:

M.Sc.

M.Sc. Orthopaedics: Paper I (Trauma)

COURSE CODE	:	ORTH0001
DATE	:	06-SEP-04
TIME	:	10.00
TIME ALLOWED	:	3 Hours

Answer **FOUR** questions out of **FIVE**
(maximum of 20 marks for each answer)

Answer **EACH** question in a **SEPARATE** book

1. A 63-year old male fell 8 feet from a ladder and sustained a fracture dislocation of the shoulder.
 - a) What are the key issues in the initial assessment of this patient in the Accident & Emergency setting? (4 marks)
 - b) How would you classify fracture dislocations of the shoulder? (2 marks)
 - c) How would you manage associated arterial injury? (4 marks)
 - d) Discuss the indications for open treatment. (4 marks)
 - e) Discuss the major complications of this injury (6 marks)

2. An 11-year old boy has been, knocked down by a car and sustained a fracture of the right proximal tibia and fibula.
 - a) Describe your primary assessment and initial management in the Accident & Emergency Department (6 marks)
 - b) Describe the principles and risks of closed treatment (3 marks)
 - c) Describe the indications and hazards of open reduction (3 marks)
 - d) Describe the complications associated with this injury (8 marks)

3. A 50-year old woman was knocked down on a pedestrian crossing by a car travelling at about 30mph. She suffered a closed fracture of shaft of humerus complicated by radial nerve palsy.
 - a) How would you assess this patient (2 marks)
 - b) How would you treat the fracture (4 marks)

- c) How do you classify the injury to the nerve (4 marks)
 - d) What is the role of special investigations in this patient (2 marks)
 - e) What are the indications for operating upon the nerve (2 marks)
 - f) Discuss the rehabilitation of this patient (6 marks)
4. A 38-year old man fell from a scaffold sustaining fracture dislocation at the cervical 5/6 level.
- a) Describe your assessment of this patient (9 marks)
 - b) Describe a classification of injuries to the cervical spine (2 marks)
 - c) Outline the principles of closed treatment (2 marks)
 - d) What are the indications for surgical management? (2 marks)
 - e) What are the complications of treatment? (5 marks)
5. Write short notes on **four** of the following:
- a) Injuries to the physis (5 marks)
 - b) The Monteggia fracture (5 marks)
 - c) External fixators (5 marks)
 - d) Skin grafting (5 marks)
 - e) Achilles tendon rupture (5 marks)
 - f) Traumatic haemarthrosis of the knee (5 marks)