

UNIVERSITY COLLEGE LONDON

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EXAMINATION FOR INTERNAL STUDENTS

FOR THE FOLLOWING QUALIFICATIONS:

M.Sc.

M.Sc. Orthopaedics: Paper II (Orthopaedics)

COURSE CODE : ORTH0002

DATE : 2 SEPT 05

TIME : 10.00

TIME ALLOWED : 3 Hours

05-N0003-4-30

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

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

1. A 77 year-old man presents with a dislocated cemented Charnley total hip replacement, implanted 6 years ago. It has dislocated 2 times previously in the last year.
 - a) What is the differential diagnosis for the cause of his dislocations
 - b) How would you manage this patient and how would you investigate these dislocations
 - c) Describe the radiological features of aseptic loosening around hip arthroplasty implants and their classifications
 - d) Assuming the components are found to be well fixed, what measures can be taken to improve stability

2. A 22 year-old man presents with symptoms felt in his knee following a football injury
 - a) Detail the important aspects of the history and the associated differential diagnoses
 - b) What aspects of the clinical examination might indicate an anterior cruciate ligament injury
 - c) What is the management of a suspected acute ACL rupture

3. A 6 year-old child presents with a 2-week history of a limp
 - a) What is the differential diagnosis
 - b) The patient is pyrexial, sweaty and tachycardic with pain localised to the hip. Describe the assessment and management of this patient, including any operative intervention
 - c) Describe the structure of the growth plate to explain the pathogenesis of osteomyelitis around the physes of long bones

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4. A 64 year-old lady is found to have a large radiolucency in her proximal femur. She is not known to have any other medical problems.
- a) What is the differential diagnosis
 - b) Detail the important features of the history, examination and investigations in this patient
 - c) Which tumours most commonly metastasise to bone
 - d) How may you classify bony metastases
 - e) What are the indications for prophylactic fixation of metastases in long bones
5. Write short notes on **four** of the following **six** topics (5 marks each)
- a) Complex Regional Pain syndrome Type 1 (Reflex sympathetic Dystrophy)
 - b) Ganglion
 - c) Finger Clawing
 - d) Dupuytren's disease
 - e) Skin graft
 - f) Trigger finger
6. Describe Carpal Tunnel syndrome including clinical presentation, diagnosis, management, outcome and possible complications