

UNIVERSITY COLLEGE LONDON

UNIVERSITY OF LONDON

EXAMINATION FOR INTERNAL STUDENTS

FOR THE FOLLOWING QUALIFICATIONS:

B.Sc. (Intercal)

Orthopaedics 3001: Clinical Aspects of Orthopaedics

COURSE CODE : ORTH3001

DATE : 12-MAY-05

TIME : 10.00

TIME ALLOWED: 3 Hours

05-C1006-3-40

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TURN OVER

SECTION A

Answer **TWO** questions out of the following **THREE** (25 marks per question)
Use diagrams to illustrate your answer where appropriate

Answer each question in a **SEPARATE** book

1. Discuss the management of a fifty year old postman with medial compartment osteoarthritis of the knee.
2. Describe the management of a 14 year old boy with an osteosarcoma of the distal femur. Include relevant points in the history, signs you would look for on examination, investigations you would perform, and the principles and methods of treatment.
3. Discuss the important measures to be taken to reduce complications during the inpatient treatment of a 65 year old woman having a total hip replacement?

SECTION B

Answer **SIX** questions out of the following **EIGHT** (5 marks per question)
Use diagrams to illustrate your answer where appropriate

Answer each question starting on a **NEW PAGE** of the answer book

1. Write short notes on the diagnosis of deep vein thrombosis and pulmonary embolism after total hip replacement.
2. Describe the major radiological features of osteoarthritis as they manifest in the skeleton and soft tissues.
3. Briefly explain the theoretical basis and technique of isotope bone scanning (scintigraphy), and its utility with reference to the assessment of metastatic disease.
4. What are the clinical features that would suggest a diagnosis of rheumatoid arthritis in a patient with joint pain?
5. Outline common paediatric orthopaedic problems which may cause secondary osteoarthritis. Which age groups do you suspect may have these conditions?
6. Apart from total hip replacement, what other treatments exist for treating adult conditions of the hip for early osteoarthritis?
7. Briefly discuss the use of glenohumeral joint replacements in clinical practice, with reference to muscle action, fixation, joint constraint and rehabilitation.
8. Describe the main pathological features of osteoarthritis.