

UNIVERSITY COLLEGE LONDON

University of London

EXAMINATION FOR INTERNAL STUDENTS

For the following qualifications:

B.Sc. (Intercal)

HEALTH SCIENCES C105: CLINICAL ASPECTS OF DEGENERATIVE JOINT DISEASE

COURSE CODE : **HESCC105**
UNIT VALUE : **0.50**
DATE : **16 May 2003**
TIME : **10. 00 am**
TIME ALLOWED : **3 hours**

**HEALTH SCIENCES C105:
CLINICAL ASPECTS OF DEGENERATIVE JOINT DISEASE**

Answer **FOUR** out of **FIVE** questions
Answer **EACH** question in a **SEPARATE** book.

1. Discuss the secondary causes of osteoarthritis at the hip
2. Describe methods used to prevent perioperative infection in orthopaedic patients undergoing major surgery. Include factors pertinent to the patient, the surgical environment and the surgeon.
3. Discuss the treatment options for a 42-year-old male with medial compartment osteoarthritis at the knee.
4. Write short notes on four of the following:
 - a. Pathogenesis of osteoarthritis
 - b. Hip resurfacing
 - c. Outcome measures after knee replacement
 - d. Ankle replacement
 - e. Pulmonary embolism
 - f. Complications of Hip Arthroplasty

Which of these occur with so high a frequency that the patient should be warned prior to consent.

5. *"In Arthroplasty Surgery wear is a greater problem than fixation"*
Discuss giving examples of methods of
 - (a) fixation currently used and
 - (b) materials used to minimise particulate debris generation.