

UNIVERSITY COLLEGE LONDON

UNIVERSITY OF LONDON

EXAMINATION FOR INTERNAL STUDENTS

FOR THE FOLLOWING QUALIFICATIONS:

B.Sc. (Intercal)

**Health Sciences C114: Skeletal Tissue Remodelling, Repair,
Regeneration**

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|---------------------|----------|------------------|
| COURSE CODE | : | HESCC114 |
| UNIT VALUE | : | 0.5 |
| DATE | : | 17-MAY-04 |
| TIME | : | 10.00 |
| TIME ALLOWED | : | 3 Hours |

Answer any **FOUR** out of **SEVEN** (20 marks for each questions)

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

Use diagrams to illustrate your answers where possible

1. Describe the age related degeneration of articular cartilage with an emphasis on site related changes.
2. Discuss evidence-based strategies you would recommend for prevention of osteoporosis with increased longevity.
3. Is exercise good for your tendons? Discuss.
4. Describe the functional adaptation and regeneration of bone in close proximity to prosthetic implants.
5. Describe the factors that contribute to damage and degeneration of the intervertebral disc.
6. Describe the key differences in aetiology between rheumatoid arthritis and osteoarthritis.
7. Discuss the factors that influence the fracture healing process in a long bone.