

Ollscoil na hÉireann, Gaillimh
NATIONAL UNIVERSITY OF IRELAND, GALWAY

First Medical Examination, Autumn 2001

Biology I (Anatomy)

Prof. J. Folan-Curran

Dr. S. McDonald

Dr. M.N. O'Neill

Dr. B. Wilkins

Mr. A. Black

Time allowed: Two hours

There are two sections

Section A is for Systems Anatomy

Section B is for Histology and Embryology

Use separate Answer Book for each Section.

SECTION A

Systems Anatomy

Answer three questions

All questions carry equal marks.

1. Describe the action of the hamstring and gluteus medius muscles during walking.
2. What are the principal factors involved in providing stability to synovial joints? Give examples.
3. Describe the origin, course and distribution of the radial nerve.
4. Give an account of inversion and eversion of the foot.
5. Write an account of the distribution of the mandibular division of the trigeminal nerve.

P.T.O.

SECTION B

Histology

Answer one question

6. Give an account of the electron microscopical appearances and functions of intercellular junctions.

OR

7. Write an essay on cartilage. What are the roles of cartilage in the human?.

Embryology

Answer one question

8. Write an essay on mesoderm.

OR

9. Write an essay on implantation.