

**Ollscoil na hÉireann, Gaillimh
NATIONAL UNIVERSITY OF IRELAND, GALWAY**

**First Medical Term Examination, December 2001
Biology (Anatomy)**

**Dr. S. McDonald
Dr. B. Wilkins
Mr. A. Black
Dr. M. Salgaonkar**

Time allowed: 2 hours

There are three sections. Please use a separate Answer Book for each section. Answer TWO questions from section A, ONE question from Section B and ONE question from Section C.

SECTION A: (Answer BOTH questions) (30 marks each)

1. Write an essay on stem cells.
2. Write an essay on the structure of cell junctions and their importance early in development.

SECTION B: Answer ONE question (20 marks)

3. Write an essay on the histological structure of bone.
4. Write notes on (a) striated (skeletal) muscle
(b) nerve.

SECTION C: Answer ONE question (20 marks)

5. Write an essay on gastrulation.
6. Write notes on the structure of:
(a) Human sperm
(b) Human umbilical cord.