

NATIONAL UNIVERSITY OF IRELAND, GALWAY  
Ollscoil na hÉireann, Gaillimh

**B.Sc. General/Third Science**  
Summer Examination, 2000  
**Anatomy**

Professor J. Folan-Curran  
Prof. B.J. Moxham  
Dr. B. Wilkins  
Mr. A. Black

**Cell Biology and Histology**  
**AN307**

Time allowed: **Two** hours

**Section A (Compulsory):**

1. Write an essay on blood:tissue interfaces (barriers) citing at least three examples.

**Section B (Answer ONE question):**

2. Discuss how cells integrate structurally and functionally in tissues, using skin as an example.
3. Write an essay on the mucosa of the gastrointestinal tract.

**Section C (Answer TWO questions):**

4. Discuss the structural and functional organization of the liver.
5. Write an essay on the respiratory tract.
6. Compare and contrast the encapsulated lymphoid organs.
7. Describe the ovary, including the process of folliculogenesis.