

Ollscoil na hÉireann, Gaillimh  
NATIONAL UNIVERSITY OF IRELAND, GALWAY  
**B.Sc. General/Third Science & Third Biomedical Science**  
**Summer Examination, 2002**

**AN307 Cell Biology & Histology**

Dr S. McDonald

Dr B. Wilkins

Time Allowed: **TWO** hours

Answer **QUESTION 1** (40 marks) and **THREE others** (20 marks each).

1. Write an essay on the relationships between structure and function in the liver.
2. "The epidermis is a community of cells acting in concert to make a multifunctional epithelium". Discuss.
3. Describe the histology of the conducting portion of the lower respiratory tract.
4. Compare and contrast the structure and function of a lymph node and the spleen.
5. Describe the histological structure of the testis.
6. Give a detailed account of the histology of either the stomach or the duodenum.
7. Blood-tissue interfaces are critical components of several organs. Discuss with particular reference to the kidney and one other organ of your choice.