

**NATIONAL UNIVERSITY OF IRELAND  
GALWAY**

**SUMMER EXAMINATIONS 2000**

**FIRST MEDICAL  
HUMAN BIOLOGY 1**

Prof. G. Fava  
Prof. N.P. Wilkikns

Time allowed: 2 hours  
Attempt: 3 questions

1. Describe the structure of the cell membrane and discuss some of its important functions.
2. Write notes on three of the following:  
a) capillary bed b) synapse c) Nephron d) gastrulation.
3. Give a brief account of the immune system and describe briefly how it functions.
4. Discuss the role of insects as vectors of disease.
5. Write an essay on Evolution by Natural Selection.