

**National University of Ireland, Galway**

**Ollscoil na hEireann, Gaillimh**

**FIRST MEDICAL  
HUMAN BIOLOGY 1**

**Intern Examiner: Professor N.P. Wilkins**

**Extern Examiner: Professor G. Fava**

Time allowed: 2 hours

Attempt three questions.

1. Give an account of the structure and the importance of the cell membrane.
2. What is meant by a "tissue"? List the four most common types of tissue in vertebrate animals, and briefly describe one type.
3. Give an account of the functioning of the human kidney.
4. Describe the life-cycle of the malarial parasite. How important is the mosquito in the life cycle?
5. Write an essay on Evolution by Natural Selection.