

OLLSCOIL NA hÉIREANN  
GAILLIMH

NATIONAL UNIVERSITY OF IRELAND  
GALWAY

SPRING EXAMINATIONS 2000

M.Sc. in Biomedical Science

BM501 : Introduction to Biomedical Science

Prof. T. Glynn

Dr. B. Wilkins

Time allowed: 1 hour

Section A: Write an essay on one of the topics below (approximately 30 mins). You may **not** write on a topic for which you have previously submitted an essay:

1. The value of biomedical science.
2. Genetically modified organisms.
3. Embryo diagnostics *in vitro*.
4. The benefits of the interdisciplinary approach in research and development.

Section B. Comment on three topics from the following list (approximately 10 minutes per topic):

1. Economic considerations in the development of biomedical products.
2. Total limb transplantation.
3. Why biology needs physicists.
4. Why the physical sciences and engineering needs biologists.
5. Current strategic government planning in the future development of Irish science.
6. Environmental radiation hazards.
7. Primary considerations in establishing a commercial biomedical venture.
8. Sterilization techniques in medical device manufacture.