

National University of Ireland, Galway
Ollscoil na hÉireann, Gaillimh

SUMMER EXAMINATIONS 2002

Denominated Degree in Biotechnology (2BY 121)

BIOTECHNOLOGY II (BG 201)

Paper 2

External Examiner: Dr David Apps

Time Allowed: Two hours

Write essays on any **two** of the following topics.

1. Stem cell technology and its potential uses in medicine
2. Factors involved in the aging process
3. Evolution: microsatellites and the origins of disease
4. New insights into improving neuronal function in health and disease
5. The battle against microorganisms: drug treatment strategies and the problem of biofilms
6. From genome to proteome: potential benefits of bioinformatics
7. Therapeutic potential of tissue engineering and human cloning
8. Influence of time and location in controlling body processes
9. Genetic vaccines and treatments for viral diseases