

**National University of Ireland, Galway
Ollscoil na hÉireann, Gaillimh**

SUMMER EXAMINATIONS 2000

Denominated Degree in Biotechnology (2BY 121)

BIOTECHNOLOGY II (BG 201)

Paper 2

External Examiner: Professor N.C. Price

Time Allowed: Two hours

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

1. Gene therapy and cloning.
2. The biological basis for any **two** disorders of the nervous system.
3. Understanding and treatment of Parkinson's disease.
4. The future for animal research.
5. Tissue engineering for medicine.
6. Cancer: how it arises and new therapies.
7. The role of telomeres and telomerases in ageing and cancer.
8. Evolution: microsatellites and the origins of disease.
9. HIV and flu viruses: possible vaccination and treatments.