

NATIONAL UNIVERSITY OF IRELAND, GALWAY
Ollscoil na hÉireann, Gaillimh

Semester II, 2000 - 2001; resit May 2002.
Second Science Examination

BIOCHEMISTRY (BI212)

External Examiner: Dr. D. Apps
Time Allowed: **Two Hours.**

Please attempt **three** of the following. All questions carry equal marks.

1. Describe the β -oxidation of fatty acids.
2. Write an essay on amino acid catabolism, with emphasis on the glucogenic amino acids.
3. Describe the process of DNA replication, illustrating how high accuracy is achieved in the process.
4. Explain how proteins are synthesised from mRNA in cells.
5. Discuss the regulation of glycogen metabolism.
6. Give an account of the digestion of proteins in mammals.