

NATIONAL UNIVERSITY OF IRELAND, GALWAY
Ollscoil na hÉireann, Gaillimh

Semester 1, 2000 - 2001; resit December 2001.

Second Science Examination

BIOCHEMISTRY (BI211)

External Examiner: Professor D. Apps

Time Allowed: **Two Hours.**

Please attempt **three** of the following:

1. Write an essay on glycolysis and its control.
2. Describe how green plants obtain energy from sunlight.
3. Write an essay on oxidative phosphorylation.
4. Give an account of the factors that maintain the three-dimensional structures of proteins.
5. Describe the mechanism of action of lysozyme.
6. Describe the roles of coenzymes in the oxidation of pyruvate to acetyl CoA by the pyruvate dehydrogenase complex.