

NATIONAL UNIVERSITY OF IRELAND, GALWAY
Ollscoil na hÉireann, Gaillimh

Summer Examinations, 2000 - Honours
B.Sc. Degree and M.Sc. Qualifying Examinations

BIOCHEMISTRY (BI401)

Fifth Paper

Extern Examiner: Professor N.C. Price

Time allowed: Three Hours

*Write on **two** of the following themes from 1999-2000 seminar programme, giving emphasis to biochemical or molecular aspects of the chosen theme.*

Please use a separate answer book for each and clearly indicate the title and number on the front.

Candidates are reminded that they must not exclusively confine their treatment of the topic to that of the contents of their own seminar.

1. Cellular and molecular immunology
2. Evolution of mitochondria and of chloroplasts
3. Drugs and vaccines; recent developments
4. Growth factors
5. Degenerative disorders
6. Recent insights into mechanisms of enzyme action
7. Organogenesis, morphogenesis and development
8. Hibernation and microgravity
9. Environmental stress