

NATIONAL UNIVERSITY OF IRELAND, GALWAY
Ollscoil na hÉireann, Gaillimh

Summer Examinations, 2002 - Honours
B.Sc. and B.Sc. (Biomedical Science) Degree Examinations
BIOCHEMISTRY (BI401)

Fifth Paper

Extern Examiner: Dr. D.K. Apps

Time allowed: Three Hours

*Write on two of the following themes from 2001-2002 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. Neurogenesis.
2. Hydrolases.
3. Transcriptosomics.
4. Jak/Stat signalling.
5. Neurological disorders.
6. Molecular mechanisms of oxygen activation.
7. Disorders of DNA repair.
8. Mitochondrial uncoupling proteins.
9. Lipids and signalling.
10. Biofilms.
11. Lectins.
12. Evolution of life.