Ollscoil na hÉireann, Gaillimh **GX2544**
National University of Ireland, Galway

Semester II Examinations, 2003/2004
Front Page Template

Exam Code(s)	4BO2
Exam(s)	4th Biomedical Science
Module Code(s)	SI404
Module(s)	Physiology
Paper No.	III
Repeat Paper	Special Paper
External Examiner(s)	Dr. D. Marples
Internal Examiner(s)	Prof. M. Kane, Dr. K. Doyle
	Dr. A. Hynes
Instructions:	Answer THREE Questions out of FOUR in the Two Selected Modules. DO NOT Attempt Questions in Module for which you are not registered. Use a Separate Answer Book for each section.
Duration	Two hours
No. of Answer books	Two

Requirements:

Handout	
MCQ	
Statistical Tables	
Graph Paper	
Log Graph Paper	
Other Material	
No. of Pages	2
Department(s)	Physiology

GX2544

OLLSCOIL NA hÉIREANN, GAILLIMH
NATIONAL UNIVERSITY OF IRELAND, GALWAY

Semester II, Summer 2004

B.Sc. Biomedical Science (Hons.)

PHYSIOLOGY

Paper III

Examiners
Dr D. Marples, Prof. M. Kane, Dr. K. Doyle, Dr. A. Hynes,

Answer **THREE** Questions out of **FOUR** in the **Two Selected Modules**.
DO NOT Attempt Questions in Module for which you are not registered.
Use a Separate Answer Book for each section.
Time Allowed 2 hours

Section A: Aspects of Reproductive Physiology

A1 Write an essay on reproductive patterns of female mammals using (a) the rabbit or mink, (b) the mouse or rat and (c) the cow or sheep as examples. Why has the mouse become a very commonly used model for study of preimplantation embryo development?

A2 Discuss the process of sexual determination.

Section B: Aspects of Immunological Physiology

B1 Describe the principles and practice of bioassay. What are the disadvantages of bioassay and when might bioassay be used in spite of those disadvantages?

B2 Write an essay on humoral immunity.

Section C: Aspects of Neurophysiology

C1 'Understanding of the pathophysiology of schizophrenia and the development of new treatments for the illness would benefit from a shift of focus away from dopamine'. Discuss this statement.

C2 Write an essay on neuronal plasticity.