

Ollscoil na hÉireann, Gaillimh
National University of Ireland, Galway
Summer Examinations, 2004/2005
Front Page Template

Exam Code(s)	2BS1 2BO1
	2 nd Science 2 nd Biomedical Science
Module Code(s)	SI218
Module(s)	Physiology
Paper No.	
Repeat Paper	Special Paper
External Examiner(s)	Dr. A.R. Noble
Internal Examiner(s)	Prof. M.T. Kane, Dr. A. Henry, Dr. K. Doyle, Dr A. Hynes, Dr. L. Quinlan, Dr. D. Finn

Instructions: Candidates must answer 5 questions out of 6

Duration Two hours
 No. of Answer books

Requirements:

Handout	_____
MCQ	_____
Statistical Tables	_____
Graph Paper	_____ \$ _____
Log Graph Paper	_____
Other Material	_____

No. of Pages	_____
Department(s)	Physiology

OLLSCOIL NA hÉIREANN, GAILLIMH
NATIONAL UNIVERSITY OF IRELAND, GALWAY
2nd Science and 2nd Biomedical Science Examination
Summer 2005

SI218 Physiology II

Examiners: Dr. A.R. Noble, Prof. M.T. Kane, Dr. A. Henry, Dr. K. Doyle, Dr. A. Hynes,
Dr. L. Quinlan, Dr. D. Finn.

Time Allowed: Two Hours.

Candidates must answer **5** questions. Each Question is worth equal marks.

- Q.1** Describe the series of events that occur on inspiration (breathing in).
Include details of the pressures involved, compliance and the work of breathing.
- Q.2** Write an essay on oxygen carriage in the blood including the oxygen dissociation curve.
- Q.3** Write an essay on arterioles, discussing their properties and functions and the factors which regulate vasomotor tone.
- Q.4** Write an essay on the digestion and absorption of lipids in the human body.
- Q.5** Discuss the role of the loop of Henle in water balance by the kidneys.
- Q.6** Write an essay on the classification of hormones.