

Ollscoil na hÉireann, Gaillimh
National University of Ireland, Galway
Semester II Examinations, 2003/2004

Front Page Template

Exam Code(s)	IOY1
	Occupational Therapy
Module Code(s)	SI102
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. A. Hynes, Dr. L. Quinlan

Instructions: Candidates must answer **5** questions out of 6

Duration Three 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
1st Occupational Therapy OY1
Summer 2005

Physiology SI102

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

Time Allowed: Three Hours.

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

- Q.1 Discuss the 4 main factors involved in the formation of the nerve resting membrane potential.
- Q.2 Write an essay on the pulmonary circulation including pressures, volumes, capillary blood flow in relation to gravity and the effect of left heart failure on pulmonary blood flow.
- Q.3 All blood vessels have the common function of conducting blood but in addition arterioles, capillaries and veins have at least one major special function particular to each. Write short notes on these functions and their control for arterioles, capillaries and veins
- Q.4 Discuss briefly the factors controlling blood flow in skin, skeletal muscle and brain tissue.
- Q.5 Discuss the endocrine roles of the adrenal cortex
- Q.6 Discuss the endocrine control of plasma calcium