

**Semester II Examinations, 2003/2004**  
**Front Page Template**

Exam Code(s)	1SL1
	B.Sc. Degree (Speech and Language Therapy)
Module Code(s)	SI101-1
Module(s)	Physiology
Paper No.	
Repeat Paper	Special Paper
External Examiner(s)	Dr. D. Marples
Internal Examiner(s)	Prof. M.T. Kane, Dr. K.. Doyle
	Dr. A. Henry, Dr. A. Hynes, Dr. L. Quinlan

**Instructions:**

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

Duration  
No. of Answer  
books

Three hours

**Requirements:**

Handout  
MCQ  
Statistical Tables  
Graph Paper  
Log Graph Paper  
Other Material

No. of Pages

2

Department(s)

Physiology

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OLLSCOIL NA hÉIREANN, GAILLIMH  
NATIONAL UNIVERSITY OF IRELAND, GALWAY  
1st Speech and Language 1SL1  
Spring 2004

Physiology SI101-1

Examiners: Dr. D. Marples, Prof. M.T. Kane, Dr. A. Henry, Dr. L. Quinlan

Time Allowed: Three Hours.

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

- Q.1 Describe 5 major properties of a nerve action potential and outlining how an action potential moves along a myelinated neuron.
- Q.2 Describe the process of transmission at the neuromuscular junction.
- Q.3 Briefly describe the effects of the autonomic nervous system on the lungs and the gastrointestinal tract
- Q.4 Outline how the baroreceptors respond to an increase in arterial blood pressure so as to return the blood pressure towards normal..
- Q.5 Describe the control of blood flow to the brain and to the muscle of the heart.
- Q.6 Write an essay on the control of respiration, including the role of the central and peripheral chemoreceptors and the muscles involved