

Ollscoil na hÉireann, Gaillimh
National University of Ireland, Galway

Semester I Examinations, 2003/2004

Exam Code(s)	3BO2/3BS9
Exam(s)	Pharmacology II
Module Code(s)	PM 307
Module(s)	
Paper No.	1
Repeat Paper	Special Paper
External Examiner(s)	Professor I. Campbell
Internal Examiner(s)	Dr. M. Grealy
	Dr. A. Harkin
	Ms. L. Horrigan
	Dr. J. P. Kelly

Instructions:

Answer 5 Questions. Please use separate answer books for each question.

Duration	3 hrs
No. of Answerbooks	5

Requirements:

Handout	
MCQ	
Statistical Tables	
Graph Paper	
Log Graph Paper	
Other Material	

No. of Pages	2
Department(s)	Pharmacology

PM307 3rd year Pharmacology

1. Describe how you would perform a saturation binding experiment. What receptor binding characteristics can be determined from such an experiment? Include graphical representations where appropriate.
2. What are the main types of antidepressant drugs? Describe their pharmacological properties and give one example of each type.
3. Describe the putative pharmacological mode of action of each of the following drugs of abuse:
 - a) Alcohol
 - b) Cocaine
 - c) Methylenedioxymethamphetamine
 - d) Tetrahydrocannabinol
4. Write an essay on the classification, mechanism of action, therapeutic uses and adverse effects of non-steroidal anti-inflammatory drugs.
5. Write an essay on the treatment of Human Immunodeficiency Virus (HIV) infection.
6. Discuss possible future strategies for the treatment of cancer.
7. With the aid of diagrams outline the characteristics and development of asthma, indicate the actions of the main classes of drugs used in the treatment of asthma, and detail the pharmacology of *one* of these drug classes.
8. Write an essay on the pharmacology of local anaesthetic agents.