

Ollscoil na hÉireann, Gaillimh
National University of Ireland, Galway
Semester II Examinations 2004 / 2005

Exam Code(s)	3BS9, 3BO2
Exam(s)	
Module Code(s)	PM307
Module(s)	Pharmacology II
Paper No.	1
Repeat Paper	
External Examiner(s)	Professor Iain Campbell
Internal Examiner(s)	Dr. Senthil Kumar Dr. Louise Horrigan Ms. Michelle Roche

Instructions: Answer 5 Questions

Duration	3 Hours
No. of Pages	1
Department(s)	Pharmacology
Course Co-ordinator(s)	Dr. Maura Grealay

Requirements:

MCQ
 Handout
 Statistical Tables
 Graph Paper
 Log Graph Paper
 Other Material

1. Discuss the pharmacology of synthetic and endogenous opioids.
2. Discuss the pharmacology of drugs used as neuromuscular junction blockers/muscle relaxants. Include in your answer classification, mechanism of action, uses and adverse effects of these drugs.
3. Discuss the pharmacology of different classes of drugs used in the management of bronchial asthma.
4. Describe occupancy response relationships and the various theories of receptor-drug interactions.
5. Write an essay on the pharmacological treatment of schizophrenia.
6. Write an essay on “amphetamine and cocaine as drugs of abuse”.
7. Using diagrams, explain the principles of cytotoxic cancer therapy, including the principles of combination therapy.
8. Using diagrams, outline the steps involved in peptidoglycan synthesis (50%), and give an account of either the penicillins or the cephalosporins (50%).