

CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ

Autumn Examinations 2010/11

Module Title: Systems Pharmacology

Module Code: CHEM8009

School: Biological Sciences

Programme Title: Bachelor of Science (Honours) Herbal Science – Year 3

Programme Code: SHERB_8_Y3

External Examiner(s): Dr Julia Green, Prof Elizabeth Williamson
Internal Examiner(s): Dr Hugh McGlynn

Instructions: Answer QUESTION 1 and TWO others

Duration: 2 Hours

Sitting: Autumn 2011

Requirements for this examination:

Note to Candidates: Please check the Programme Title and the Module Title to ensure that you have received the correct examination paper.
If in doubt please contact an Invigilator.

- Q1. Describe in detail the drugs used in the treatment of arrhythmias.
- Q2. Describe in detail the mechanism of action and clinical uses of diuretics, using examples in your answer.
- Q3. Discuss the use and importance of anti-inflammatory agents in disease prevention.
- Q4. Describe in detail the drugs and herbs used in the treatment of diabetes.
- Q5. Describe in detail the pharmacology of antiviral agents.
- Q6. Describe in detail the mechanisms of action and drugs used in cancer chemotherapy.