

CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ

Semester 2 Examinations 2011/12

Module Title: Systems Pharmacology

Module Code: CHEM8009

School: Science & Informatics

Programme Title: BSc (Hons) Herbal Science – Year 3

Programme Code: SHERB_8_Y3

External Examiner(s): Dr J. Green

Internal Examiner(s): Ms Anna-Maria Keaveney

Instructions: **Answer 3 QUESTIONS. All questions have equal marks.**

Duration: 2 hours

Sitting: Spring 2012

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 various mechanisms of diuretic agents and their respective therapeutic indications.
- Q2. Discuss in detail the pharmacology of Non-Steroidal Anti-Inflammatory drugs.
- Q3. Describe in detail the mode of actions employed by anti-bacterial drugs.
- Q4. Describe in detail the main types of arrhythmias and the agents used in the treatment of this condition.
- Q5. Discuss in detail the role of water in stool formation and the management of diarrhoea and constipation using drugs.