



**SIMON MAZORODZE SCHOOL OF MEDICAL AND HEALTH  
SCIENCES**

**DEPARTMENT OF BIOMEDICAL SCIENCES**

**HERBAL MEDICINE AND PHARMACOLOGY UNIT**

**BACHELOR OF SCIENCE/BACHELOR OF SCIENCE HONOURS DEGREE IN  
BIOMEDICAL SCIENCES**

**LEVEL 2 SEMESTER 2**

**MAIN PROFESSIONAL EXAMINATION: Paper 2**

**MODULE CODE: BMS 205**

**MODULE NARRATION: CLINICAL PHARMACOLOGY**

**DATE: November/December**

**Duration: 2hours**

**Instructions to candidates**

- i. This paper has two (2) sections, section A and B
- ii. Answer ALL questions in section A
- iii. Answer any three (3) questions in section B
- iv. This paper contains 3 pages
- v. Total marks: 100marks

**Section A: Short answer questions (COMPULSORY)**

1. Define pharmacology? [1]
  
2. With the aid of a diagram, illustrate and describe what happens to the log-dose response curve of an agonist in the presence of a(n)
  - (a) Competitive antagonist [3]
  
  - (b) Irreversible antagonist [3]
  
3. Write short notes (mechanism of action, clinical indications and adverse effects) on the following:
  - a. Aspirin [3]
  
  - b. neostigmine [3]
  
  - c. Omeprazole [3]
  
  - d. Azithromycin [3]
  
  - e. Nifedipine [3]
  
  - f. Digoxin [3]