



# Technical University of Mombasa

*Faculty of Applied and Health Sciences*

**DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES**

CERTIFICATE IN COMMUNITY HEALTH AND HIV MANAGEMENT  
(CCH 13J)

**AMD 1103 : BASIC PHARMACOLOGY**

**SPECIAL/SUPPLEMENTARY: EXAMINATIONS**

**SERIES: OCTOBER 2013**

**TIME: 2 HOURS**

## **INSTRUCTIONS:**

You should have the following for this paper

- *Answer booklet*

This paper consists of **FIVE** questions.

Answer Question **ONE (compulsory)** and any other **TWO** questions

*This paper consists of 2 PRINTED pages*

### Question ONE

- a) Briefly explain the basis drug classification (4marks)
- b) State the FOUR disadvantages of the parenteral route (4marks)
- c) List atleast FOUR new drug delivery systems (4marks)
- d) Give reasons for non adherence of patients to ARV therapy (4marks)
- e) State the factors that affect drug absorption and bioavailability from the G.I.T (4marks)
- f) Give the role of the kidney in drug excretion (4marks)
- g) Give the WHO's definition of the drug (4marks)
- h) Define toxicology (2marks)

### Question TWO

Briefly discuss any FIVE routes of drug administration giving examples (15marks)

### Question THREE

Discuss the advantages and disadvantages of the enteral routes of drug administration (15marks)

### Question FOUR

When managing HIV and AIDS in patients, the following can be encountered; *virologic failure*, *immunological failure*, *clinical failure* and *ARV-failure*. Explain the underlined terms (15marks)

### Question FIVE

Briefly discuss drug interactions (15marks)