



# Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES

CERTIFICATE IN COMMUNITY HEALTH AND HIV MANAGEMENT  
(CCH13M)

AMD 1105: BASIC PHARMACOLOGY

SEMESTER: EXAMINATIONS

SERIES: DECEMBER 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) Define the following terms
  - (i) Pharmacology (2 marks)
  - (ii) Antidote (2 marks)
- b) Give **FOUR** sources of drugs (4 marks)
- c) Outline **FOUR** uses of drugs (4 marks)
- d) Distinguish between pharmacy and pharmacopoeia (4 marks)
- e) Name **FOUR** routes of drug excretion (4 marks)
- f) Distinguish between pharmacodynamics and pharmacokinetics (4 marks)
- g) Name **FOUR** pharmacological active principles in plants (4 marks)
- h) Give **TWO** uses of non-narcotic analgesics (2 marks)

## QUESTION TWO

- a) Explain the classification of drugs (10 marks)
- b) State factors that determine the route of drug administration (5 marks)

## QUESTION THREE

- a) Distinguish between absorption and bioavailability of drugs (4 marks)
- b) Describe the factors that affect the absorption and bio-availability of drugs. (11 marks)

## QUESTION FOUR

- a) Discuss the following routes of drug administration giving an example of drug in each case
  - (i) Vaginal
  - (ii) Sublingual
  - (iii) Conjunctival
  - (iv) Rectal(12 marks)
- b) Outline **THREE** reasons why drugs are administered (3 marks)

## QUESTION FIVE

- a) List down disadvantages of drug administration by oral route. (10 marks)
- b) Distinguish between side effects and toxic effects (5 marks)