



TECHNICAL UNIVERSITY OF MOMBASA
FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES

DIPLOMA IN COMMUNITY HEALTH

DCH14M

APH 2209: FUNDAMENTALS OF PHARMACOLOGY

SEMESTER EXAMINATION

MAY 2016

2 HOURS

INSTRUCTIONS TO CANDIDATES

*This paper consists of **FIVE** questions*

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

*This paper consists of two **PRINTED** pages*

QUESTION ONE

(a) Define the following terms:-

- i. Drug (**2 marks**)
- ii. Pharmacokinetic (**2 marks**)

(b) Distinguish between pharmacy and pharmacopeia (**4 marks**)

(c) State **FOUR** sources of drug (**4 marks**)

(d) Explain the difference between a brand name and a generic name of a drug. Give one example of each (**4 marks**)

(e) Give **FOUR** uses of drug in the body (**4 marks**)

(f) Give **THREE** advantages of rectal route of drug administration (**3 marks**)

(g) Name **FOUR** factors that affect drug distribution in the body (**4 marks**)

(h) Translate the medication order stated below (3 marks)

Erythromycin 333 mg 1 tab po qid X 10 days

- i) What is the route? **(1 mark)**
- ii) How many times per day will you be giving the Erythromycin? **(1 mark)**
- iii) Over the 10-day period, how many dosages (total) of the Erythromycin will be given? **(1 mark)**

QUESTION TWO

Describe any **FIVE** types of injections in drugs administration and give two advantages and disadvantages of each route **(15 marks)**

QUESTION THREE

- a) Describe factors that influence the activity of liver microsomal enzymes **(10 marks)**

- b) Outline **FIVE** important headings on a leaflet provided with medication to patients **(5marks)**

QUESTION FOUR

- a) Outline **FIVE** responsibilities of a health practitioner **(5 marks)**
- b) Describe **FIVE** rights to drug administration **(10 marks)**

QUESTION FIVE

Giving relevant examples discuss the source of drugs **(15marks)**

