

**TECHNICAL UNIVERSITY OF MOMBASA**

**FACULTY OF APPLIED AND HEALTH SCIENCES**

**DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES**

DIPLOMA IN COMMUNITY HEALTH

DCH14M

**APH 2209:** FUNDAMENTALS OFPHARMACOLOGY

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**

1. Define the following terms:-
2. Drug **(2 marks)**
3. Pharmacokinetic **(2 marks)**
4. Distinguish between pharmacy and pharmacopeia **(4 marks)**
5. State **FOUR** sources of drug **(4 marks)**
6. Explain the difference between a brand name and a generic name of a drug. Give one example of each **(4 marks)**
7. Give **FOUR** uses of drug in the body **(4 marks)**
8. Give **THREE** advantages of rectal route of drug administration **(3 marks)**
9. Name **FOUR** factors that affect drug distribution in the body **(4 marks)**
10. Translate the medication order stated below **(3 marks)**

**Erythromycin 333 mg 1 tab po qid X 10 days**

1. What is the route? **(1 mark)**
2. How many times per day will you be giving the Erythromycin? **(1 mark)**
3. 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 administrationand give two advantages and disadvantages of each route **(15 marks)**

**QUESTION THREE**

1. Describe factors that influence the activity of liver microsomal enzymes **(10 marks)**
2. Outline **FIVE** important headings on a leaflet provided with medication to patients **(5marks)**

**QUESTION FOUR**

1. Outline **FIVE** responsibilities of a health practitioner **(5 marks)**
2. Describe **FIVE** rights to drug administration (**10 marks)**

**QUESTION FIVE**

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