

**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2016/2017**

**SECOND YEAR SECOND SEMESTER EXAMINATION FOR DEGREE OF BACHELOR OF COMMUNITY HEALTH**

**MLS 2233 BASIC OF PHARMACOLOGY AND PHARMACOGNOSY**

**DATE: DECEMBER, 2016 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY)**

**AND ANY OTHER ONE QUESTIONS (22 Marks)**

**QUESTION ONE:**

a**.** Define the following terms:-

i. Pharmacology [2 marks]

ii. Clinical pharmacology [2 marks]

iii. Pharmacokinetics [2 marks]

b. Explain with examples the sources of drugs. [8 marks]

c. List one various routes of drug administration. [6 marks]

d. Define the following:

i. Pharmacodynamics [2 marks]

ii. Toxicology [2 marks]

iii. Pharmacognosy [6 marks]

e. List five factors affecting drug absorption and bioavalability. [6 marks]

f. Enumerate the factors that modify dosage and action of drugs. [6 marks]

g. Write short notes on the different types of drug interactions. [6 marks]

h. What are the various routes of drug excretion? [6 marks]

**SECTION B**

2. List the different routes of drug administration giving their advantages and disadvantages. [22 marks]

3. Explain in detail the general poisoning management. [22 marks]

4. Drug prescription. [22 marks]