



# MACHAKOS UNIVERSITY

University Examinations 2019/2020 Academic year

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN PUBLIC HEALTH.

**PPH 408: TRADITIONAL, COMPLEMENTARY AND ALTERNATIVE MEDICINE**

**DATE: 19/10/2020**

**TIME: 8.30-10.30 AM**

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## INSTRUCTIONS

This paper consists of two sections A and B

### SECTION A

#### Specific Instructions

- This section has one question
- The question is **COMPULSORY**
- The question is 30 marks

#### QUESTION ONE (30 MARKS)

- a) Define the following terms in drug use: (3 marks)
- Pharmacopoeia
  - Herbal preparations
  - Therapeutic activity
- b) Differentiate between traditional and complimentary medicine (3 marks)
- c) Explain the causes of low bioavailability of oral drugs. (3 marks)
- d) Explain factors that modify dosage and effectiveness of drugs. (3 marks)
- e) Explain phase two reactions in drug metabolism (3 marks)
- f) Critique the perceived effectiveness of traditional and complementary or alternative medicine (3 marks)
- g) Using examples, categorize the various forms of adverse drug reactions (3 marks)

- h) Beside herbal therapies, explain other traditional or complementary therapies used in children under the age of five years in your community. (3 marks)
- i) Explain the routes of excretion of drugs (3 marks)
- j) Outline the phases of a clinical trial of drugs (3 marks)

## **SECTION B:**

### **Specific Instructions**

- **This Sections has four (4) questions**
- **Answer any two (2) questions**
- **Each question is 20 marks**

### **QUESTION TWO (20 MARKS)**

- a) Information influences behavior. Discuss the fallacy that traditional, complementary or alternative medicine is safer than contemporary medicine (10 marks)
- b) Discuss factors the affect the rate of distribution of drugs. (10 marks)

### **QUESTION THREE (20 MARKS)**

- a) The rise in cancer prevalence in Africa poses an opportunity for development and expansion of traditional, complementary and alternative therapies. Discuss (10 marks)
- b) Various organizations support traditional and complementary medicine by incorporating it in their programs. Discuss the role of such organizations in Sub-Saharan Africa in view of traditional and complementary medicine resources. (10 marks)

### **QUESTION FOUR (20 MARKS)**

- a) Describe the regulatory status of traditional, complementary or alternative medicine in Kenya. (10 marks)
- b) Herbs formed the main type of therapy in the traditional African society, Discuss the pharmacodynamic issues with use of such herbs (10 marks)

### **QUESTION FIVE (20 MARKS)**

- a) Describe the advantages and disadvantages of the main routes of administration of traditional medicines (10 marks)

- b) There are numerous challenges from development to use of traditional and complementary or alternative medicine. Propose ways in which these challenges could be addressed.(10 marks)