



# MACHAKOS UNIVERSITY

University Examinations 2019/2020 Academic year

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

FOURTH YEAR SPECIAL /SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCES

ECD 403: ENVIRONMENT AND COMMUNITY HEALTH

DATE: 21/01/2021

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 (6 marks)
- Health
  - Environmental health
  - Community health
- b) List and explain four determinants of health (4 marks)
- c) Use examples to differentiate between microenvironment and macro environment (4 marks)
- d) Describe the impact of policies and governance on global health outcomes (4 marks)
- e) Discuss the concept of sustainable development (4 marks)
- f) State five methods of solid waste management (4 marks)
- g) Discuss the challenges which undermine community development and progress (4 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) Imagine your role as a social worker in Machakos County, identify and explain five social and environment factors and their impact on public health (10 marks)
- b) Discuss the challenges that developing countries face with waste management (10 marks)

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

- a) Describe the role of risk assessment in environmental management (10 marks)
- b) Highlight five physical environmental factors and their impact on public health (10 marks)

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

- a) Explain the process of hazardous waste management (10 marks)
- b) Critically evaluate the limitations of psychopharmacology (10 marks)

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

- a) Describe the National Environmental Sanitation and Hygiene Policy (NESHP) 2007 (10 marks)
- b) Illustrate the components of effective malaria control and prevention strategy. (10 marks)