



# TECHNICAL UNIVERSITY OF MOMBASA

---

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

SOCIAL SCIENCES

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN COMMUNITY DEVELOPMENT AND COUNSELING

APH 2207 : ENVIRONMENTAL HEALTH

**SERIES: DECEMBER 2016**

**TIME: 2 HOURS**

**DATE: 13 Dec 2016**

## Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

**Do not write on the question paper.**

---

## Question one – compulsory (30 MARKS)

- a) State the concepts of waste management (6mks)
- b) Define the following concepts of environmental health
  - i. Toxicity (2mks)
  - ii. Exposure (2mks)
  - iii. Dose/response (2mks)
- c) Explain how food can be source of disease in human (4mks)
- d) State the principles of sewage treatment methods (6mks)
- e) Explain the role of epidemiologic triad (4mks)
- f) Comment on plasma gasification (4mks)

## Question Two

Discuss the basic principles of healthful housing (20mks)

### Question Three

- a) Define the term epidemiology (2mks)
- b) Discuss the environmental factors that determine the occurrence of disease in human population (18mks)

### Question Four

- a) Define the term biogeochemical cycling (4mks)
- b) Discuss the following
  - i. Composting (8mks)
  - ii. Oxidation ponds (8mks)

### Question Five

Describe the major forms of pollution (20mks)