



**TECHNICAL UNIVERSITY OF MOMBASA**  
FACULTY OF HUMANITY AND SOCIAL SCIENCE

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DEPARTMENT OF SOCIAL SCIENCES

**UNIVERSITY EXAMINATION FOR:**

DIPLOMA IN COMMUNITY DEVELOPMENT AND  
COUNCELING

APH 2203: ENVIRONMENTAL HEALTH

END OF SEMESTER EXAMINATION

**SERIES:** APRIL 2016

**TIME:** 2 HOURS

**DATE:**

**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 and any other TWO questions.

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

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**Question ONE**

1. a) Define the following terms

- i. pollutant (2mks)
- ii. pollutant control (2mks)
- iii. point source pollutant (2mks)

b) Draw and label a typical epidemiological triad of a disease (6mks)

c) Name the agent factors that determine the occurrence of disease in human population (4mks)

- d) Identify the method and procedure used to protect food against the transmission of disease and poisons (5mks)
- e) State the aims of the following waste management concepts.
- i. Waste hierarchy (2mks)
  - ii. Extended producer responsibility (2mks)
- f) i. Define the term biochemical cycling of matter (2mks)
- ii. State how microorganisms can be used to reserve global warming (3mks)

**Question TWO**

Outline the role of epidemiologist in environmental health (20mks)

**Question THREE**

Discuss the concept waste-to-energy as used in waste management, giving specific examples (20mks)

**Question FOUR**

Discuss the minimum basic requirements of good housing from health point of view. (20mks)

**Question FIVE**

Discuss the principle of water treatment from the standpoint of health (20mks)