



TECHNICAL UNIVERSITY OF MOMBASA
FACULTY OF HUMANITY AND SOCIAL SCIENCE

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.

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 reverse 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)