



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) List the conditions which must exist before a food can transfer a pathogen to a consumer (5mks)
- b) Human diseases does not arise in a vacuum Explain (6mks)
- c) List the personal characteristics that concern epidemiologists (5mks)
- d) Define the following forms of diseases
 - i, Water-washed diseases (2mks)
 - ii, Water-borne diseases (2mks)
 - iii, Water-related diseases (2mks)

- e) Explain the biological processing as used in solid waste management **(4mks)**
- f) In the hierarchy of controls, pollution prevention and waste minimization are more desirable than pollution control. Explain **(4mks)**

Question TWO

1. "Housing is important in terms of physical, mental and social health" Discuss **(20mks)**

Question THREE

1. Discuss susceptible host factors that determine the occurrence of diseases in human population **(20mks)**

Question FOUR

1. a) State the objectives of sewage treatment **(6mks)**
b) Biological treatment of sewage and wastewater consists of three stage. **(9mks)**
c) State the value of determining the biochemical oxygen demand of sewage and waste-water **(5mks)**

Question FIVE

1. a) Name the factors that determine the severity of a pollutant **(6mks)**
b) Outline the major forms of pollution **(14mks)**