



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Business & Social Studies

**DEPARTMENT OF LIBERAL STUDIES & COMMUNITY
DEVELOPMENT**

KWALE CAMPUS

**DIPLOMA IN COMMUNITY DEVELOPMENT AND COUNSELING
(DCDC Sept 2011)**

ACM 2331: ENVIRONMENTAL HEALTH EDUCATION

END OF SEMESTER EXAMINATIONS

SERIES: DECEMBER, 2013

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

-The paper consists of **TWO** sections **A** and **B**

-Section **A** is **COMPULSORY** and carries **30** marks.

-Answer **ANY TWO** questions from section **B**

This paper consists of **2** printed pages

SECTION A: (COMPULSORY) 30 MARKS

QUESTION ONE

- (a) List the factors that determine the polluting power of a pollutant. **(3 marks)**
- (b) Describe a house bin program in waste management. **(5 marks)**
- (c) Distinguish pyrolysis and incineration. **(4 marks)**
- (d) State the diseases affected by water **(6 marks)**
- (e) State the aim of food hygiene **(3 marks)**
- (f) List any **FIVE** criteria of an adequate villages housing. **(5 marks)**
- (g) Define the following concepts:
 - (i) Waste hierarchy **(2 marks)**
 - (ii) Polluter pays principle **(2 marks)**

SECTION B : (Answer any TWO questions from this section) 40 marks

QUESTION TWO

Describe the use of the following in liquid waste treatment

- (a) Anaerobic digestors **(10 marks)**
- (b) Activated sludge **(10 marks)**

QUESTION THREE

Outline the **FOUR** basic principles of a healthful housing **(20 marks)**

QUESTION FOUR

Explain the various effects of pollution on the environment **(20 marks)**

QUESTION FIVE

Write short notes on waste recycling and energy recovery in waste management. **(20 marks)**