



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Business & Social Studies

DEPARTMENT OF LIBERAL STUDIES & COMMUNITY DEVELOPMENT

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

ACM 2330: ENVIRONMENTAL HEALTH EDUCATION

SEMESTER: END OF SEMESTER EXAMINATIONS

SERIES: APRIL /MAY 2014

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

-This paper consists of sections **A** and **B**.

-Answer Section **A (COMPULSORY)** and any **TWO** question from section **B**

This paper consists of **2** printed pages

SECTION A: (COMPULSORY) 30 MARKS

QUESTION ONE

(a) Identify the principles of healthful housing. (4 marks)

(b) Define the following terms:-

(i) Pollution (2 marks)

(ii) Pollution control (2 marks)

(iii) Mineralization (2 marks)

(c) Explain the role of a plasma gasifier in waste management. (4 marks)

(d) Explain the **TWO** principal methods of testing water. (4 marks)

(e) Define the following concepts used in environmental health.

(i) Environmental justice. (2 marks)

(ii) Exposure (2 marks)

(f) Identify the most common methods used in food preservation in the rural community. (4 marks)

(g) Briefly explain the methods used in water treatment. (4 marks)

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

QUESTION TWO

Describe the following methods of waste treatment.

(a) Septic Tank (5 marks)

(b) Composting (5 marks)

(c) Anaerobic digestors (5 marks)

(d) Landfills (5 marks)

QUESTION THREE

Discuss the relation of housing to health (20 marks)

QUESTION FOUR

Outline the various forms of pollution and their causes. (20 marks)

QUESTION FIVE

Discuss greenhouse gases and global warming.

(20 marks)