



# **TECHNICAL UNIVERSITY OF MOMBASA**

***Faculty of Business & Social Studies***

**DEPARTMENT OF LIBERAL STUDIES & COMMUNITY DEVELOPMENT**

**DIPLOMA IN COMMUNITY DEVELOPMENT AND COUNSELING  
(DCDC JAN 2012/MAY 2012) Y3 S2**

**ACM 2330: ENVIRONMENTAL HEALTH EDUCATION**

**SEMESTER: END OF SEMESTER EXAMINATIONS**

**SERIES: APRIL /MAY,2014**

**TIME: 2 HOURS**

**INSTRUCTIONS TO CANDIDATES:**

-This paper consists of section **A** and **B**

**-SECTION A : COMPULSORY**

**-SECTION B :** Attempt any **TWO** questions  
This paper consists of **2** printed pages

### **SECTION A: COMPULSORY**

#### **QUESTION ONE**

- (a) Explain the statement “the solution to pollution is dilution” as used in pollution control. **(4 marks)**
- (b) State the factors that influence the dose and response as concepts used in environmental health. **(5 marks)**
- (c) Define the following terms:
- (i) Biogeochemical cycling. **(2 marks)**
  - (ii) Biodegradation **(2 marks)**
  - (iii) Biological oxygen demand. **(2 marks)**
- (d) Identify the methods used in the treatment of sewage and the principles of their activities. **(4 marks)**
- (e) State the aim of the following concepts:
- (i) Waste hierarchy **(2 marks)**
  - (ii) Extended producer responsibility **(2 marks)**
- (f) Explain the methods used in the avoidance of waste generation **(4 marks)**
- (g) Name the diseases affected by water. **(3 marks)**

#### **SECTION B: Answer any TWO questions from this section**

#### **QUESTION TWO**

Discuss the methods used in energy and resources recovery in waste management. **(20 marks)**

#### **QUESTION THREE**

Explain the principles of healthful housing. **(20 marks)**

#### **QUESTION FOUR**

Outline the means by which food can be a source of disease. **(20 marks)**

#### **QUESTION FIVE**

Pollution has been found to be present widely in the environment. Discuss the effects of this.

(20

marks)