



# Technical University of Mombasa

*Faculty of Applied and Health Sciences*

**DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES**

DIPLOMA IN COMMUNITY HEALTH AND HIV MANAGEMENT  
(DCH 11M)

**AES 2308 : WASTE MANAGEMENT**

**SPECIAL /SUPPLEMENTARY: EXAMINATIONS**

**SERIES: OCTOBER 2013**

**TIME: 2 HOURS**

## **INSTRUCTIONS:**

You should have the following for this paper

- *Answer booklet*

This paper consists of **FIVE** questions.

Answer Question **ONE (compulsory)** and any other **TWO** questions

*This paper consists of 2 PRINTED pages*

### **Question ONE**

- a) Treatment of hazardous waste is done to render them harmless to humans and the environment.  
State any FIVE treatment methods used to achieve this (5marks)
- b) Outline effects of hazardous waste (4marks)
- c) Give the different types of radio-active wastes (4marks)
- d) Outline FOUR parameters used as indicators in water quality analysis (4marks)
- e) Describe FIVE ways in which waste minimization may be achieved (5marks)
- f) Outline the goals of waste treatment methods (4marks)
- g) Explain the factors that determine the composition of household waste (4marks)

### **Question TWO**

- a) Outline factors that contribute to poor waste management in Kenya (8marks)
- b) Outline the criteria for water quality analysis (3marks)
- c) Give the characteristics of high level radioactive waste (4marks)

### **Question THREE**

Describes current waste management issues facing Kenya under the following headings

- (i) Challenges (7marks)
- (ii) Solutions (4marks)
- (iii) Way forward (4marks)

### **Question FOUR**

Describe factors that may lead to septic tank failure (15marks)

### **Question FIVE**

Explain the effect of poor waste management on the following

- (i) Land, Surface and ground water (10marks)
- (ii) Atmosphere (5marks)