

# TECHNICAL UNIVERSITY OF MOMBASA

## FACULTY OF APPLIED AND HEALTH SCIENCES

### DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

#### UNIVERSITY EXAMINATION FOR THE DIPLOMA IN COMMUNITY HEALTH AND HIV MANAGEMENT.

#### DCHM 15J/YEAR3/ SEMESTER1

#### AES 2210: MATERIAL CONSUMPTION & WASTE MANAGEMENT

#### SEMESTER EXAMINATION

#### SERIES: DECEMBER 2016

#### TIME: 2 HOURS

#### *Instructions to Candidates*

This paper consists of **FIVE (5)** questions

Answer question ONE (COMPULSORY) and any other TWO questions.

*This paper consists of two printed pages.*

#### **Question One**

- (a) Classify any **FOUR** categories of wastes according to in Kenya. (4 marks)
- (b) Briefly explain the following Principles of Waste Management
  - i. Proximity principle (2 marks)
  - ii. Polluter pays principle (2 marks)
- (c) Give **TWO** advantages and **TWO** disadvantage of the following waste disposal methods
  - i. Ocean dumping (3 marks)
  - ii. Sanitary landfill (3 marks)
- (d) What factors influence the composition of waste from then following sources?
  - i. Industrial waste (3 marks)
  - ii. Household waste (3 marks)
- (e) Outline Major threats from improper handling of healthcare waste. (5 marks)
- (f) Describe the 3R's of waste management. (5 marks)

**Question Two**

- a) Describe various ways of waste minimization ways of Waste minimization. (7 marks)
- b) Explain the various consequences of poor waste management.(8 marks)

**Question three**

Discuss the sources, treatment and disposal of radioactive wastes. **(15 marks)**

**Question four**

Describe the laws that are relevant to waste management in Kenya. (15 marks)

**Question five**

Discuss the challenges in the management of wastes in Kenya. **(15 marks)**

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