



**TECHNICAL UNIVERSITY OF MOMBASA**

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FACULTY OF APPLIED AND HEALTH SCIENCES  
DEPARTMENT OF ENVIROMENT & HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR:  
DIPLOMA IN COMMUNITY HEALTH AND HIV MANAGEMENT**

**DCHM 15M/ /YEAR 3/ SEMESTER 1**

**AES 2210: MATERIAL CONSUMPTION AND WASTE MANAGEMENT  
SPECIAL SUPPLEMENTARY EXAMINATION**

**SERIES: SEPT. 2017**

**TIME: 2 HOURS**

***Instructions to Candidates***

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions

***This paper consists of two printed pages.***

***Mobile phones are NOT allowed in the examination room***

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**QUESTION ONE**

- a) Define the time solid waste management (2marks)
- b) Explain the term Environmental Monitoring and Evaluation. (2marks)
- c) Briefly describe traditional means of waste management. (5marks)
- d) State the characteristics of Health Care waste. (3marks)
- e) State **five** environmental risks of sanitary landfills (5marks)
- f) Explain **three** advantages of waste recycling (5marks)
- g) Explain **three** types of storage containers available in most countries (3marks)
- h) Briefly discuss the term polluter pay principles (5marks)

**QUESTION TWO**

Discuss the environmental and health impact of wastes mismanagement in Kenya (15marks).

### **QUESTION THREE**

Discuss the levels of waste water treatment (15marks)

### **QUESTION FOUR**

Describe landfilling as a method used for solid waste disposal giving the advantages and disadvantages of this method (15 marks)

### **QUESTION FIVE**

- a) Discuss **FIVE** types of Air pollution (10marks)
- b) Describe measures appropriate to control air pollution (5marks)