



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:

**BACHELOR OF TECHNOLOGY IN RENEWABLE ENERGY AND
ENVIRONMENTAL**

AES 4343 : ENVIRONMENTAL WASTE MANAGEMENT

TECHNOLOGY (BTRE)

END OF SEMESTER EXAMINATION

SERIES: APRIL 2016

TIME: 2 HOURS

DATE: Pick Date Select Month 2016

Instructions to Candidates

You should have the following for this examination

Answer Booklet, examination pass and student ID

This paper consists of **FIVE** Question(s). Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

1. Question ONE

(i) Define the following terminologies as used in waste management.

- a. Waste
- b. Management
- c. Environment
- d. Disposal
- e. Recycling

(10 mks)

(ii) Differentiate between Landfill and crude dumping as methods of waste disposal.
(5 mks)

(iii) (a) Write short notes on

(a) a – biotic environment

(b) Biotic environment

(5 mks)

(b) Define physical health and list all the qualities

(5 mks)

(c) Describe four determinants of health

(5 mks)

Question TWO

There are basically three types of environments. Discuss chemical and biological environments fully and show their importance.

(20mks)

Question THREE

There are different types of wastes as regard to waste management. Discuss fully showing the distinct difference of industrial waste from Biological wastes.

20 mks

Question FOUR

Disposal of waste is a very important factor in a well managed environment. Discuss this describing Landfill as one method giving its merits and demerits.

(20 mks)

Question FIVE

Scavenging is a common phenomenon in waste management. Discuss this highlighting its disadvantages.

20mks