



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Applied and Health Sciences

Department of ENVIRONMENT & Health Sciences

UNIVERSITY EXAMINATION FOR:

**BACHELOR OF SCIENCE IN MEDICAL ENGINEERING AND BACHELOR OF
TECHNOLOGY IN MEDICAL ENGINEERING**

BSMD/YEAR 5 SEMESTER 1 AND BTMD YEAR 4 SEMESTER 2

TMDB 4411/EHL4502: ENVIRONMENTAL AND WASTE MANAGEMENT

END OF SEMESTER EXAMINATION

SERIES: AUGUST 2024

TIME: 2 HOURS

DATE: Pick Date **August** 2024

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.

SECTION A (Answer all the Questions)

(30 Marks)

1. (a) Discuss the Importance of Environmental Ethics. (10 marks)

- (b) List and explain three types of Environmental Ethics. (10 marks)

- (c) Explain the term ecological succession as used in environmental and waste management.
(5 marks)

- (d) List down the various classification of solid waste. (5 marks)

SECTION B (40 Marks)

2. Discuss the current Environmental issues facing the world and their possible solutions.
(20 Marks)
3. Discuss the Factors to consider when selecting a waste water disposal method for urban set up
(20 marks)
4. Explain the Challenges facing proper solid waste management in developing counties
(20 marks)
5. (a) Discuss the functions of the environment. (10 marks)
(b) Discuss the various types of ecosystems giving example for each. (10 marks)