



TECHNICAL UNIVERSITY OF MOMBASA

**SCHOOL OF APPLIED AND HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES**

**UNIVERSITY EXAMINATION FOR:
DTEE**

AES 2130: ENVIRONMENTAL STUDIES

END OF SEMESTER EXAMINATION

TIME: 2 HOURS

SERIES: APRIL 2025

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.

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| 1) a) Define Environmental Studies | (2mks) |
| b) Outline five principles of solid waste management | (5mks) |
| c) Identify human activities that greatly affect the environment | (5mks) |
| d) Define the following terms as used in Environmental studies | |
| i) Weather forecasting | (2mks) |
| ii) Eutrophication | (2mks) |
| iii) Global warming | (2mks) |
| iv) Pollution | (2mks) |
| v) Ozone depletion | (2mks) |

- e) Name four layers of the atmosphere (4mks)
- f) Identify 4 causes of water pollution in urban centres of Kenya (4mks)

- 2) a) Distinguish between weather and weather forecasting (2mks)
- b) Outline the differences between weather and climate (5 mks)
- c) Types of weather forecasting (3mks)
- d) Outline the importance of weather forecasting (5mks)

- 3) a) Outline common types examples of green house gases (4mks)
- b) State three causes of global warming (3mks)
- c) Discuss the consequences of global warming (8mks)

- 4) a) Discuss global warming and the impact it has in the world (10mks)
- b) Briefly describe how the green house effect has been commercially used (5mks)
- 5) a) Define Environmental Impact Assessment (2mks)
- b) Outline 6 functions of National Environmental Management Authority (NEMA) (6mks)
- c) Identify 4 importances of public participation in Environment Impact Assessment (4mks)
- d) State reason why Environmental Impact Assessment is important (3mks)