



TECHNICAL UNIVERSITY OF MOMBASA

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

UNIVERSITY EXAMINATION FOR:
DTEE

AES 2130: ENVIRONMENTAL STUDIES

TIME: 2 HOURS

SERIES: APRIL 2025

SPECIAL / SUPPLEMENTARY EXAMINATION

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.

- 1) a) Define the following terms as used in Environmental studies(5mks)
 - i) Global warming
 - ii) Environment
 - iii) Population
 - iv) Pollution
 - v) Climate change
- b) State the importance of Environmental studies (5mks)
- c) Name any 3 biogeochemical cycles that influence the environment(3mks)
- d) Outline 4 water uses (4mks)
- e) State 3 renewable sources of energy (3mks)
- f) Name any 4 greenhouse gases (4mks)

- g) Identify 4 major causes of Air pollution (4mks)
- h) State any 2 techniques used preventing air pollution (2mks)
- 2) Discuss global warming citing its occurrence causes and effects (15mks)
- 3) Discuss soil pollution under the following headings
 - i) Sources (5mks)
 - ii) Effects (5mks)
 - iii) Control (5mks)
- 4) Discuss measures that the government has put in place to Conserve the Environment (15mks)
- 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)