



TECHNICAL UNIVERSITY OF MOMBASA

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

**UNIVERSITY EXAMINATION FOR;
THE DIPLOMA IN LOGISTICS AND TRANSPORT MANAGEMENT**

DLTM/YEAR1/ SEMESTER2

AES 2100: ENVIRONMENTAL STUDIES

SPECIAL/ SUPPLEMENTARY EXAMINATIONS

SERIES: SEPTEMBER 2018

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

Question 1. (30 Marks)

- a). Using appropriate example, define the following terms. (8mks)
- i. Population
 - ii. Habitat
 - iii. Biotic components.
 - iv. Autecology
- b). Describe the environmental impacts of urbanization. (4mks)
- c). State the advantages of using solar energy (4mks)
- d). What are the environmental consequences of global climate change (4mks)
- e). Giving examples, list types of pollution that exist in the environment. (3mks)

f). List types of environment (4mks)

g). Describe how the properties of pollutants may cause them to have effects at local, regional and global scales (3mks)

Question 2 (15 Marks)

Discuss the statement that ‘human population growth is the source of all environmental problems’

Question 3 (15 Marks)

Discuss how educational, legal, economic and technological strategies can be used to reduce pollution.

Question 4 (15 Marks)

- i. Describe the environmental impacts of mining and quarrying. (7mks)
- ii. Discuss the advantages and disadvantages of hydro-electric power. (8mks)

Question 5 (15 Marks)

Discuss how the land use conflicts associated with areas designated as Green Belts or National Parks can be resolved.