

**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 2101- ENVIRONMENTAL STUDIES**

**SEMESTER EXAMINATION**

**SERIES: DECEMBER 2016**

**TIME: 2 HOURS**

***Instructions to Candidates***

This paper consists of **FIVE (5)** questions

Answer question ONE (COMPULSORY) and any other TWO questions.

***This paper consists of two printed pages.***

**Question 1. (30 Marks)**

- a). Define the following terms. (10mks)
  - i. Population
  - ii. Ecosystem
  - iii. Ecological pyramids
  - iv. Pollution control
- b). Describe the characteristics of human population. (4mks)
- c). Briefly outline the importance of environmental studies (4mks)
- d). The transport sector has negative impacts on the environment. State five such impacts. (5mks)
- e). List three impacts of global warming (3mks)
- f). What do you understand by the term “greenhouse effect”? (4mks)

**Question 2 (15 Marks)**

- i. List the three general characteristics of environmental pollutants as identified by Miguel A. Santos. (3 Marks)
- ii. Define Environmental Pollution, its sources and effects. (12 marks)

**Question 3 (15 Marks)**

Environment as we all know is very precious gift from the mother nature. The survival of the human race depends mainly on the sustainability of the resources. The unscrupulous destruction of environment will one day lead to the demise of the human kind. Discuss environmental problems faced by today's world.

**Question 4 (15 Marks)**

Using a well labeled diagram, describe the hydrological cycle indicating the component processes where necessary.

**Question 5 (15 Marks)**

- i. Discuss the periods of man-environment relationship. (10 marks)
- ii. Define Synecology and state types of synecology. (5 marks)
- iii.

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