

**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. (8mks)

- i. Ecosystem
- ii. Sustainable development
- iii. Waste
- iv. Conservation of environment.

b). Describe the environmental impacts of urbanization. (4mks)

c). State the advantages of using solar energy (4mks)

d). The transport sector has negative impacts on the environment. State five such impacts. (5mks)

e). Giving examples, list types of pollution that exist in the environment. (3 marks)

f). List types of environment (4mks)

g). Why is ozone layer important? (2 Marks)

**Question 2 (15 Marks)**

Discuss the advantages and disadvantages of hydro-electric power.

**Question 3 (15 Marks)**

Discuss at least five impacts of global warming (15mks)

**Question 4 (15 Marks)**

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

**Question 5 (15 Marks)**

- i. What are the two components of the environment? (2 Marks)
- ii. Differentiate between Biodegradable Pollutants and Non- Biodegradable Pollutants. (5 Marks)
- iii. Discuss the challenges facing developing countries when it comes to waste management. (8 Marks)