

**TECHNICAL UNIVERSITY OF MOMBASA**

**FACULTY OF APPLIED AND HEALTH SCIENCES**

**DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES**

**UNIVERSITY EXAMINATION FOR THE DIPLOMA IN  
ENVIRONMENTAL HEALTH SCIENCES.**

**DEHS 14M/YEAR3/ SEMESTER2**

**AES 2109: ENVIRONMENTAL POLLUTION AND CONTROL**

**SEMESTER EXAMINATION**

**SERIES: APRIL/MAY 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) What do you understand by the term “greenhouse effect”? (5 Marks)
- b) Define the following terms: (1 Mark each)
  - i. Pollution
  - ii. Pollutant
  - iii. Wet deposition
  - iv. Dry deposition
  - v. Pollution control
- c) Name any four environmental problems faced by today's world. (4 Marks)
- d) Give any three health consequences of air pollution? (3 Marks)
- e) Why is ozone layer important? (2 Marks)
- f) Define conservation of environment. (2 Marks)
- g) What are the two components of the environment? (2 Marks)
- h) Differentiate between Biodegradable Pollutants and Non- Biodegradable Pollutants. (4 Marks)
- i) How does municipal waste contribute to air pollution? (3 Marks)

**Question 2. (15 Marks)**

- i. What are Volatile organic compounds (VOCs)? (3 Marks)
- ii. List ways of minimizing VOCs emissions. (12 Marks)

**Question 3. (15 Marks)**

- i. What is Smog? (3 Marks)
- ii. What are the ways of fighting the forceful impact of smog? (3 Marks)
- iii. What are the effects of Smog? (9 Marks)

**Question 4. (15 Marks)**

What risks do the breakdown products of HFCs and HCFCs present to humans and the environment?

**Question 5. (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)