



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES

DIPLOMA IN ENVIRONMENTAL HEALTH
(DEH 11M)

AES 2110 : ENVIRONMENTAL POLLUTION

SUPPLEMENTARY/SPECIAL : EXAMINATIONS

SERIES: MARCH 2014

TIME: 2 HOURS

INSTRUCTIONS:

You should have the following for this paper

- *Answer booklet*

This paper consists of **FIVE** questions.

Answer Question **ONE (compulsory)** and any other **TWO** questions

This paper consists of 3 PRINTED pages

QUESTION ONE

- a) Define the following terminologies:
- (i) Biomagnification (1 mark)
 - (ii) Smog (1 mark)
 - (iii) Waste Management (1 mark)
 - (iv) Noise pollution (1 mark)
 - (v) Pollutant (1 mark)
- b) Describe the effects of the following gasses:
- (i) Carbon monoxide (2 marks)
 - (ii) Carbon dioxide (2 marks)
 - (iii) Oxides of sulphur (2 marks)
- c) (i) Explain two methods of preventing and controlling industrial pollution (4 marks)
(ii) Outline causes of marine pollution (2 marks)
- d) (i) Describe two sources of soil pollution (4 marks)
(ii) Identify measures that can be used to control soil pollution (2 marks)
- e) (i) Briefly describe the factors affecting the formation of photochemical smog (4 marks)
(ii) Explain the polluter pay principle (3 marks)

QUESTION TWO

Discuss pollutants of water resources (15 marks)

QUESTION THREE

Write short notes on the following:

- (i) Montreal protocol on substances that deplete the ozone layer (5 marks)
- (ii) Basel convention on the Transboundary movement of Hazardous wastes and Disposal (5 marks)
- (iii) International convention for the prevention of pollution of ships (5 marks)

QUESTION FOUR

- a) Discuss the effects of ozone layer depletion (9 marks)

b) Describe measures to control warming

(6 marks)

QUESTION FIVE

Discuss the methods of waste management and disposal

(15 marks)