



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of applied and health sciences

DEPARTMENT OF PURE AND APPLIED SCIENCES UNIVERSITY EXAMINATION FOR:

DIPLOMA IN ANALYTICAL CHEMISTRY (DAC14S)
AES 2215 ENVIRONMENTAL MANAGEMENT

END OF SEMESTER EXAMINATION

SERIES: April 2016 PAPER-A

TIME: 2 HOURS

DATE: MAY 2016

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of Choose No questions. Attempt Choose instruction.

Do not write on the question paper.

Question ONE

- (a) (i) Name THREE biophysical boundaries scientist identified having been violated by mankind 3 marks
(ii) State the importance of carbonate ion (CO_3^{2-}) on marine organism 1 mark
- (b) (i) State TWO main pollutant chemicals which deteriorate the ozone layer 2 marks
(ii) Name TWO main reasons for deforestation 2 marks
- (c) Define the following terms:
(i) Global warming 2 marks
(ii) Chemical pollution 2 marks
- (d) (i) Define the term forest 2 marks
(ii) State TWO advantages of incineration disposal waste method 2 marks
- (e) (i) Name TWO economic importance contributed by the forest 2 marks
(ii) List diseases caused by ultraviolet B rays 2 marks
- (f) Explain the meaning of the following term in relation to environment audit;
(i) Verification 2 marks
(ii) Periodic 2 marks
- (g) (i) Define the term waste management 2 marks
(ii) State the impact of ocean acidification on marine ecosystem 2 marks

Question TWO

- (a) Explain the negative effects on environment brought by deforestation 8 marks
- (b) Explain how population dynamics affects critical development objectives 7 marks

Question THREE

- (a) Explain the functions of National Environment Management authority(NEMA) 8 marks
- (b) Describe factors that constrain the production of fisheries 7 marks

Question FOUR

- (a) Describe how pesticides and fertilizers contribute to environment pollution 7marks
- (a) Discuss the stages of environmental impact assessment 8 marks

Question FIVE

- (a) Describe the purpose of environmental auditing 7 marks
- (b) Discuss fisheries management process 8 marks

