



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES

DIPLOMA IN ENVIRONMENT AND HEALTH
(DEH 12S)

APH 2105: FOUNDATIONS OF ENVIRONMENTAL HEALTH

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

QUESTION ONE

- a) Define
 - (i) Environmental epidemiology (2 marks)
 - (ii) Exposure science (2 marks)
- b) State advantages and disadvantages of flush toilets (5 marks)
- c) Give examples of diseases spread through faecal-oral route (4 marks)
- d) Describe five advantages of pit latrines in rural communities (5 marks)
- e) Describe water storage as a method of cleansing (4 marks)
- f) Describe filtrations method of water purification (5 marks)
- g) Suggest methods of protecting a spring (3 marks)

QUESTION TWO

Outline the advantages and disadvantages of the following

- (i) Pit latrines
 - (ii) Bucket latrines
 - (iii) Composting pit latrines
- (15 marks)**

QUESTION THREE

- a) Outline how population pressure impacts on Environmental health (5 marks)
- b) Explain the contribution of the following disciplines to Environmental health
 - (i) Environmental epidemiology (5 marks)
 - (ii) Environmental toxicology (5 marks)

QUESTION FOUR

Proper excreta disposal is critical in achieving public health in a community. Discuss (15 marks)

QUESTION FIVE

- a) Outline sources of water contamination (7 marks)
- b) Describe measures of protecting a well (8 marks)