



**TECHNICAL UNIVERSITY OF MOMBASA**  

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**FACULTY OF APPLIED AND HEALTH SCIENCES**  
**DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES**  
**UNIVERSITY EXAMINATION FOR:**  
**BACHELOR OF SCIENCE IN ENVIRONMENTAL HEALTH**  
**BSEH 16S/YEAR 1/ SEMESTER 1**

**AEH 4103 FOUNDATIONS OF ENVIRONMENTAL HEALTH**  
**SEMESTER EXAMINATION**  
**SERIES: DECEMBER 2016**  
**TIME: 2 HOURS**

***Instructions to Candidates***

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions.

***This paper consists of two printed pages.***

**Question One**

- (a) Explain the meaning of the following terminologies as used in environmental health
- |      |                 |           |
|------|-----------------|-----------|
| i.   | The environment | (2 marks) |
| ii.  | Health          | (2 marks) |
| iii. | Risk            | (2 marks) |
| iv.  | Hazard          | (2 marks) |
- (b) Briefly explain the persistent organic pollutants (POPs) in the Environment. (4 marks)
- (c) Briefly explain the advantages of proper waste disposal (4 marks)
- (d) State the criteria for an adequate house (4 marks)
- (e) Explain Environmental Health problems related to industry. (3 marks)

(f) Outline Three distinct inter-related parts of global warming problem (3 marks)

(g) Briefly explain the biological hazards (4 marks)

### **Question Two**

Many countries in Africa including Kenya are suffering from continuous poverty due to climate change. Using this concept, discuss the impact of climate change on demographic and economic disruption (20 marks)

### **Question Three**

Public Health Laws are crucial instruments for protecting, promoting and restoring health of individuals and communities. Discuss its roles (20 marks)

### **Question Four**

The Dandora Waste dumping site is located to the East of Nairobi and is located to the East of Nairobi and is the main dumping site for most of the solid waste from Nairobi area.

The Nairobi River also passes beside the dumpsite. Some of the waste from the dump site ends into the river extending environmental and health risk to the communities living within the vicinity using the above statement.

(i) Explain types of wastes common found in the area. (5 marks)

(ii) Explain Environmental pollutants which can affect the residents around. (5 marks)

(iii) State the route of exposure of the toxicants. (3 marks)

(iv) Explain the effects of the dumping site to public health (7 marks)

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### **Question Five**

. Describe methods of controlling vectors and pest infestations in the community (20 marks)

