



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF SPATIAL PLANNING**  
**UNIVERSITY EXAMINATION FOR THE DIPLOMA IN DASASTER MANAGEMENT**  
**SEMESTER 2016/2017 ACADEMIC YEAR**

**CENTRE: NAIROBI CITY CAMPUS**

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**COURSE CODE: PDM 2112**

**COURSE TITLE: DISASTER ASSOCIATED HEALTH AND ENVIRONMENTAL ISSUES**

**EXAM VENUE:**

**STREAM: SPATIAL PLANNING**

**DATE:**

**EXAM SESSION:**

**TIME: 2 HOURS**

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**Instructions:**

- 1. Answer question 1 ( compulsory ) and ANY other 2 questions.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

Q1. a) Define the following terms.

i Disaster (2 marks)

ii Environmental issues (2 marks)

iii Communicable disease (2 marks)

iv Health hazard (2 marks)

b) Describe the effect of disasters on environmental health facilities and services

i. Water supply and waste water disposal effect (2 marks)

ii. Solid waste handling effect (2 marks)

iii. Food handling effect (2 marks)

iv. Vector control effect (2 marks)

v. Home sanitation effect (2 marks)

c) (i) Outline environmental health measures that should be put in place in case of an emergency (5 marks)

(ii) Discuss the role of emergency environment health services in a disaster (7 marks)

Q2. a) Explain any 5 infrastructure needed during an emergency situation (10 marks)

b) Explain any 5 communicable diseases common in a disaster giving their causes (10 marks)

Q3. a) what are the ways of controlling and managing communicable diseases (10 marks)

b) Explain 5 risk factors leading to the spread of communicable diseases during a disaster (10 marks)

Q4. a) State and explain the role of any 7 organizations responsible in the provision of health related services (14 marks)

b) Describe three challenges associated with the control and management of communicable diseases (6 marks)

Q5. a) Explain how the following disasters affects the environment.

(i) Floods (2 marks)

(ii) Droughts (2 marks)

(iii) Hurricanes and cyclones (2 marks)

(v) Landslide (2 marks)

(v). Earthquakes (2 marks)

b) Supposing you are a disaster management officer at your county, explain how you will ensure awareness and education programs about disaster management at the following places and people

(i) Home (2 marks)

(ii) The community (2 marks)

(iii) School (2 marks)

(v) Workplace (2 marks)

(v) Professionals (2 marks)