



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND  
TECHNOLOGY  
SCHOOL OF HEALTH SCIENCES  
UNIVERSITY EXAMINATION FOR BACHELOR IN PUBLIC HEALTH &  
COMMUNITY HEALTH AND DEVELOPMENT  
2<sup>ND</sup> YEAR 1<sup>ST</sup> SEMESTER 2013/2014 ACADEMIC YEAR  
CENTER: BUSIA**

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**COURSE CODE:** HCD 3215  
**COURSE TITLE:** ENVIRONMENTAL HEALTH  
**EXAM VENUE:** STREAM:  
**DATE:** EXAM SESSION:

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**Instructions:**

- 1. Answer ALL questions in Section A and ANY other 2 questions in Section B.**
- 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.**

**SECTION A. ANSWER ALL QUESTIONS (30 marks)**

1. **What** are the dangers posed by refuse in the environment? (3 marks)
2. **Describe** the role of the community in bringing about environmental changes. (3 marks)
3. **Give** any three checklist items for conducting a village environmental survey. (3 marks)
4. **Name** any three sources of water contamination, and briefly outline how such contamination can be prevented or minimized. (3 marks)
5. **Enumerate** any six diseases that can be spread from faeces. (3 marks)
6. **Explain** how you would dispose of refuse at a health centre. (3 marks)
7. **State** any six global common environmental issues, which will require coordinated mitigation actions among nations of the world. (3 marks)
8. **Outline** six roles of environmental health officers. (3 marks)
9. **Define** the term “environmental health”. (3 marks)
10. Besides each of the following diseases, **specify** whether it is
  - a. water-borne
  - b. water-washed
  - c. water-relatedamoebiasis: -----  
malaria: -----  
typhoid: -----  
scabies: -----  
onchocerciasis: -----  
hepatitis: ----- (3marks).

**SECTION B. ANSWER ANY TWO QUESTIONS (40 marks)**

- Q1.** Discuss the process of environmental health impact assessment. (20 marks)
  
- Q2.** With examples of types and sources, discuss the effects and control of environmental pollution. (20 marks)
  
- Q3.** Discuss the following;
  - (a) The effects and mitigating measures of climate change to environmental health. (10 marks)
  - (b) The effects and principles of management of toxic wastes in the environment. (10 marks)
  
- Q4.** Discuss the concept of hygiene promotion of health in respect to; -
  - (a) Housing and sanitation (4 marks)
  - (b) Food and food hygiene. (4 marks)
  - (c) Water sources and supply (4 marks)
  - (d) Vectors and vector control (4 marks)
  - (e) Waste and refuse management (4 marks)