



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
COMMUNITY HEALTH AND DEVELOPMENT
2ND YEAR 1ST SEMESTER 2023/2024 ACADEMIC YEAR
KISUMU

COURSE CODE: HCB 2209
COURSE TITLE: ENVIRONMENTAL HEALTH
EXAM VENUE: STREAM: (BSc Comm Hlth & Dev)
DATE: EXAM SESSION:
TIME: 2.00 HOURS

Instructions:

- 1. Answer all the 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. ANSWERS ANY TWO QUESTIONS (20 MKS EACH)

- 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)