JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR BACHELORS DEGREE IN ENVIRONMENTAL HEALTH/ COMMUNITY HEALTH AND DEVELOPMENT

1ST YEAR 1ST SEMESTER 2023/2024 ACADEMIC YEAR

MAIN

COURSE CODE: HCB 2209

COURSE TITLE: ENVIRONMENTAL HEALTH

EXAM VENUE: **STREAM: (BSc. Env. Hlth / Comm Hlth & Dev)**

DATE: **EXAM SESSION:**

TIME: 1.30 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. Explain the following terms
    a) Environmental health **(2 marks)**
    b) Community health **(2 marks)**
    c) Onsite sanitation **(2 marks)**
    d) Environmental risk assessment **(2 marks)**
    e) Hazard **(2 marks)**

2. Explain using examples the difference between disease prevention and health promotion **(3 marks)**
3. Explain THREE (3) functions of environmental laws **(3 marks)**
4. Explain THREE (3) examples of environmental pollutants: **(3 marks)**
5. Describe THREE health hazards explaining their acute and chronic effects to man and the environment **(3 marks)**
6. Describe briefly the public health impact of global warming **(3 marks)**
7. Describe any TWO (2) study designs suitable for investigating health impacts of environmental changes. **(3 marks)**
8. What are the sources and potential control mechanisms of environmental noise pollution? **(3 marks)**

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

1. Describe the components of a pit latrine, also stating its advantages **(20 marks).**
2. Explain any FIVE (5) common helminthic infections found in rural areas in Kenya **(20 marks)**
3. Discuss communicable and non-communicable diseases with four examples in each **(20 marks).**
4. Discuss sources of water pollution and their health impacts **(20 Marks).**