



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE
PUBLIC & COMMUNITY HEALTH AND DEVELOPMENT
1ST YEAR 2ND SEMESTER 2023/2024 ACADEMIC YEAR
MAIN CAMPUS

COURSE CODE: HCB 1108

COURSE TITLE: ECOLOGY AND HEALTH

EXAM VENUE: STREAM: (BSc Env. Health)

DATE: EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

- 1. Answer all the questions in Section A each contain 3 marks and ANY other two questions in Section B each contain 20 marks.**
- 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. Distinguish between the following
 - a. Food chain and Food web (4marks)
 - b. Traditional and modern hazards (4 marks)
 - c. Ecosystem and Ecosphere (4marks)
 - d. Habitat and Ecological Niche (4marks)
2. Briefly describe the different kinds of ecological successions (4marks)
3. Highlight five components of an ecosystem (3marks)
4. Enumerate THREE harmful effects of Sulfur dioxide (3marks)
5. Outline FOUR ways biotic community benefit the physical environment (4marks)

SECTION B- ANSWER ANY TWO QUESTIONS (40 MARKS)

1. Explain **FIVE** factors that affect the population size in a community (20marks)
2. Discuss **FIVE** negative effects of uncontrolled human population growth on the ecosystem (20marks)
3. Pollution prevention is far better and more desirable than its cure. Discuss **FIVE** measures of preventing pollution (20marks)
4. Discuss **FIVE** effects of thermal pollution (20marks)