



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

SPECIAL/SUPPLEMENTARY EXAMINATIONS
SECOND YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF BACHELOR
OF SCIENCE IN PUBLIC HEALTH
SECOND SEMESTER 2024/2025
[AUGUST, 2025]

PHES 205: ECOLOGY AND HEALTH

STREAM: Y2 S2

TIME: 2 HOURS

DAY: MONDAY, 3:00 - 5:00 P.M.

DATE: 18/08/2025

INSTRUCTIONS:

- 1. Do not write anything on this question paper.***
- 2. Answer question ONE in section A (Compulsory) and any other TWO questions from section B.***

SECTION A: ANSWER ALL THE QUESTIONS (40 marks)

1. Explain the following terms as used in ecology (5 marks)
 - a. Environment
 - b. Hazard
 - c. Waste
 - d. Community
 - e. Global warming
2. Describe any two factors that affect the distribution of organisms (5 marks)
3. Describe the two forms of Ecological succession (5 marks)
4. Explain the difference between habitat and ecologic niche of organisms (5 marks)
5. Describe stratified random sampling method (5 marks)
6. Explain any one major negative impact of human activities on the ecosystem (5 marks)
7. Differentiate between food chain and food web (5 marks)
8. Describe two methods of protecting natural ecosystems (5 marks)

SECTION B: ANSWER ANY TWO QUESTIONS (30 Marks)

9. Discuss any five physical conditions that influence the ecosystem
(15 marks)
10. Discuss Impact of ecological disruptions on human health
(15 marks)
11. Discuss the impact of human population on the environment
(15 marks)