

**KISII UNIVERSITY**  
**SPECIAL EXAMINATIONS**  
**BACHELOR OF SCIENCE IN PUBLIC HEALTH**

**PHES 120: PRINCIPLES OF ENVIRONMENTAL HEALTH**  
**SUPPLEMENTARY EXAMINATION**

**STREAM: Y1S2**

**TIME: 3 HOURS**

**INSTRUCTIONS**

- 1. Do not write anything on this Question paper.**
- 2. Answer ALL questions in section A and any other TWO in Section B**

**SECTION A**

- 1) Define the following terms
  - (a) Environmental Engineering (2marks)
  - (b) Health according to W.H.O definition (2marks)
  - (c) Environmental law (2marks)
  - (d) Hazard (2marks)
  - (e) Environmental hazards (2marks)
- 2) Discuss the environmental health concerns as related to principles of environmental health (5marks)
- 3) Discuss the five Environmental Principles (10marks)
- 4) Discuss the sources of Kenya Environmental Laws (5marks)

## **SECTION B**

1. a) As a Public Health Officer in charge of Nyaribari Chache Subcounty , a resident at Mwembe has noted a discharge of raw sewage into a nearby stream. What action can you take? (10marks)
- b).Kisii town is a fast growing town. Discuss health hazards posed to the residents (10marks)
2. a). Discuss the principles of exposure, dose and response as related to environmental health (10marks)
- b). Describe the roles of the environmental health officer in the functions of public health (10marks)
3. a) State and explain the components of environmental health (10marks)
- b) Discuss the role of population growth in human health. How might recent outbreak of COVID-19 be linked to population growth? (10marks)