



**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 230: CONSERVANCY AND DRAINAGE**

**STREAM: Y2 S2**

**TIME: 2 HOURS**

**DAY: THURSDAY, 3:00 - 5:00 P.M.**

**DATE: 14/08/2025**

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**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 QUESTIONS IN THIS SECTION (40MARKS)**

1. Name three direct and three indirect relationship of excreta disposal and the state of health of the population (3 marks)
2. State factors necessary for the transmission of disease. (3 marks)
3. Briefly describe factors to consider inside location of latrines and other excreta disposal facilities (6 marks)
4. What important factors are considered in the construction of these excreta facilities? (5 marks)
5. State excreta-related disease giving example on each. (6 marks)
6. Briefly discuss the barriers of the transmission of fecal-borne diseases by means of sanitation (4 marks)
7. What is the importance of family and community participation in rural sanitations programs? (5 marks)
8. State and describe briefly means of accessing drainage. (4 marks)
9. State six (6) features of single stack drainage system. (4 marks)

**SECTION B: ANSWER TWO (2) QUESTIONS IN SECTION B (30MARKS)**

10. Campaigns are important in order for the rural sanitation programmes to succeed. Describe important factors to consider during the campaigns. (15 marks)
11. Describe the principles of a good drainage system. (15 marks)
12. Discuss on Ventilated improved pit latrine as a conservancy method most preferred in rural communities. (15 marks)