



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

PUBLIC HEALTH/COMMUNITY HEALTH AND DEVELOPMENT

3RD YEAR 1ST SEMESTER 2024/2025 ACADEMIC YEAR

MAIN CAMPUS

COURSE CODE:	PPB 1207
COURSE TITLE:	ENVIROMENTAL/ GEOGRAPHICAL HEALTH AND INFORMATION SYSTEM
EXAM VENUE:	STREAM: BSc Public/ Comm. Hlth & Dev
DATE:	EXAM SESSION:
TIME: 2.00 HOURS	

Instructions:

- 1. Answer all the questions in Section A and 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 THREE key considerations in data collection. (3mks)
2. Describe THREE benefits of a needs assessment (3mks)
3. Explain what data retention is. (3mks)
4. Explain THREE ways of how data analysis is conducted in a needs assessment. (3mks)
5. Explain some challenges in conducting a needs assessment. (3mks).
6. Explain why graphs should be used to present data. (3mks)
7. Explain the role of data interpretation. (3mks)
8. Explain the concept of data collection. (3mks)
9. Explain the THREE different types of data backup methods. (3mks)
10. Explain THREE importance of conducting a needs assessment (3mks)

SECTION B - ANSWER ANY TWO QUESTIONS FROM THIS SECTION

- 1(i). Explain FIVE key points in the role of data interpretation in transforming data analysis into actionable insights. (10 mks)
- 1 (ii). Explain FIVE key considerations in ensuring the quality and reliability of data collection processes. (10 mks)
2. (i) Explain FIVE characteristics of a good data storage system in data management. (10 mks)
- 2 (ii) Explain FIVE key points of how a filing system enhances data management in an organization. (10 mks)
- 3 (i) Explain the considerations that should be made when summarizing data for presentation. (10 mks)
- 3 (ii) Explain with examples FIVE errors in the data entry process that can affect the quality of stored data. (10 mks)
- 4 (i) Explain how a filing system enhances data management in an organization. (10 mks)
- 4 (ii) Explain the criteria used to determine whether data should be retained, transferred, or disposed of