



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
BACHELOR OF SCIENCE IN COMMUNITY HEALTH
END OF SEMESTER EXAMINATION DECEMBER 2024

CHP 322: HEALTH INFORMATION SYSTEM

DATE: TUESDAY 10TH DECEMBER, 2024

TIME: TWO HOURS **START:** 4.30PM **FINISH** 6.30PM

INSTRUCTIONS

1. This exam is marked out of 70 marks
2. This Examination comprises TWO Sections
Section A: Compulsory Question (30 Marks)
Section B: Long Answer Questions (40 Marks)
3. All questions in Section A are compulsory
4. Answer any TWO questions in Section B
5. This online exam shall take 2 Hours
6. Late submission of the answers will not be accepted
7. Ensure your web-camera is on at all times during the examination period
8. No movement is allowed during the examination
9. Idling of your machine for 5 min or more will lead to lock out from the exam
10. The Virtual Assessment System (VAS) has inbuilt integrity checks to detect cheating
11. Any aspect of cheating detected during and or after the exam administration will lead to disciplinary measures.
12. In case you have any questions call the unit Lecturer Ms. Sarah Karanja on +254722395490 or Head of Department Dr. Faith Muhonja on +254723742370 or ICT related question Mr. Patrick Njine on +254725835496
13. For adverse incidences please write an email to: amiu.examinations@amref.ac.ke

SECTION A: COMPULSORY (30 MARKS). SHORT ANSWER QUESTIONS

1. State four principles of a health information system (4 marks)
2. Mention four challenges facing health information systems in Kenya (4 marks)
3. Differentiate between data, information, and knowledge (3 marks).
4. Identify four characteristics of a good measuring instrument (4 marks)
5. Outline three common types of mixed methods designs (3 marks)
6. State four components of a health information system (4 marks)
7. Outline four common threats to the quality of data (4 marks)
8. List the four tiers of the healthcare system in Kenya and their corresponding level of service delivery (4 marks)

SECTION B: ANSWER ANY TWO (2) QUESTIONS (40 MARKS). LONG ANSWER QUESTIONS

9. a) Discuss the steps involved in the data-driven decision-making cycle (10 marks)
b) Explain the key benefits of data-driven decision-making in health care (10 marks)
10. a) Explain the role of health information systems in improving healthcare delivery. (10 marks)
b) Discuss the major challenges faced by healthcare organizations in adopting and integrating health information system (10 marks)
11. a) Describe a case study where the implementation of a health information system led to significant improvements in patient care, and clinical outcomes (10 marks)
b) Discuss five factors that contributed to the success of the health information system. (10 marks)