



AMREF INTERNATIONAL UNIVERSITY

SCHOOL OF PUBLIC HEALTH

DEPARTMENT OF HEALTH SYSTEMS MANAGEMENT AND DEVELOPMENT

**BACHELOR OF SCIENCE IN HEALTH SYSTEMS MANAGEMENT AND
DEVELOPMENT**

END OF FIRST SEMESTER EXAMINATION MAY - AUGUST 2026

HRI 207: HEALTH CARE AND PATIENT DATA SYSTEMS

DATE: 5th AUGUST 2026

TIME : Two (2) Hours Start---5:30PM-----End...7:30PM.....

INSTRUCTIONS TO CANDIDATES

- 1) This exam is out of 70 marks
- 2) Section-A is compulsory with a Total of 30 Marks
- 3) Answer any TWO (2) questions in Section B

Read carefully the additional instructions preceding each\ section.

Section A: Attempt ALL QUESTIONS in this section (30mks)

1. List four (4) objectives of a healthcare and patient data system. (4 Marks)
2. Outline five (5) primary sources of patient information. (5 Marks)
3. Identify two (2) reasons for integrating healthcare data systems. (2 Marks)

4. Highlight four (4) challenges associated with patient data management. (4 Marks)
5. Give four (4) reasons why healthcare institutions are considered "data rich but information poor." (4 Marks)
6. Outline four (4) steps involved in transforming healthcare data into information (4 Marks)
7. Identify four (4) data storage methods used in healthcare facilities (4 Marks)
8. List two (2) ways healthcare data supports continuity of care (2 Marks)

SECTION B: Answer ANY TWO questions in this section (40mks)

9. Poor management of patient data can expose healthcare organizations to significant operational, financial, and legal risks. Discuss five (5) strategies for establishing an effective healthcare data governance framework. (20 Marks)
10. Kenyatta National Hospital (KHN) is implementing an integrated Health care data system.
 - a) Illustrate the role of each of the five (5) major components of a health care data system (15 Marks)
 - b) Elaborate two (2) major challenges that may arise during the implementation of the Health care data system (5 Marks)
11. Healthcare data is only valuable when it is accurate, complete, timely, and reliable.
 - a) Explain five (5) dimensions of healthcare data quality in healthcare service delivery. (10 Marks)
 - b) Illustrate five (5) methods used to assess data quality within a healthcare facility. (10 Marks)