



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 SECOND SEMESTER EXAMINATION MAY-AUGUST 2026

MAIN EXAM

HMD 235 HEALTH MANAGEMENT INFORMATION SYSTEMS (HMIS)

Date : 7TH AUGUST 2026

TIME : Two (2) Hours Start--9:00AM-----End...11:00AM.....

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: Answer All Questions

1. Using appropriate examples in healthcare, define the following terms;

a) Data. (3 marks)

b) Information. (3 marks)

2. Define a health management information system (HMIS). (3 marks)

3. Highlight **two** policies and laws that provide the legal framework for the management of data and information in Kenya. (4 marks)

4. Outline **four** ways in which health information systems support healthcare in Kenya. (4 marks)

4 Highlight **five** key sources of data for the Kenya health system. (5 marks)

6. List **four** benefits of using electronic health records (EHR) systems in managing clients' data in health facilities. (4 marks)

7. Outline **four** benefits of integrating health facility and community information in planning for health services. (4 marks)

SECTION B: Answer Any Two (2) Questions

7. Good quality data ensures that the information system produces information that supports effective decision making in health.

a). Discuss **five** elements of data quality. (10 marks)

b). Outline **five** characteristics of a good information system. (10 marks)

8. a). Highlight **five** components of the health management information system (HMIS) in Kenya. (10 marks)

b). With appropriate examples, outline **five** sources of data in the Kenyan health system. (10 marks)

9. The health sector in Kenya utilizes data and information planning and resource allocation.

a). Discuss **four** challenges that are encountered in the management of health data and information.

(10 marks)

b). Highlight **four** strategies that can be utilized to address the challenges outlined in 9(a) above.

(10 marks)

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