



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH SYSTEMS MANAGEMENT AND DEVELOPMENT
MASTER OF SCIENCE IN HEALTH SYSTEMS MANAGEMENT
END OF SEMESTER EXAMINATIONS JANUARY-APRIL 2026**

**UNIT CODE: HSM 721 UNIT NAME: HEALTH INFORMATION AND
MANAGEMENT SYSTEMS**

MAIN EXAM

DATE: 17TH APRIL 2026

TIME: Three Hours

Start: 5:00PM

Finish 7:00PM

INSTRUCTIONS

1. This exam is marked out of 100 marks
2. This Examination comprises TWO Sections
Section A: Compulsory Questions (25 marks)
Section B: Answer three Questions (75 marks)

SECTION A:

Answer all questions in this section. Each question carries 5 marks.

1.
 - a. Distinguish between data and information (2 marks)
 - b. Explain the relevance of information to the provision of healthcare. (3 marks)
2. Outline five uses of Management Information Systems (MIS) in healthcare organizations. (5 marks)
3. Identify five major sources of health data in Kenya. (5 marks)
4. Explain the concepts of validity and reliability in health data collection. (5 marks)
5. State five benefits of integrating subsystems within a hospital information system. (5 marks)

SECTION B

Answer three questions from this section. Each question carries 25 marks.

6. Explain the stages of the Health Information System lifecycle. (25 marks)
7. Discuss confidentiality and security in health information management. (25 marks)
8. Describe five emerging technologies in health information systems. (25 marks)
9. Discuss five challenges facing adoption of Electronic Health Records (EHR) in Low- and Middle-Income Countries (LMICs) (25 marks)
10. Evaluate the evolution of HMIS in Kenya, highlighting current operational deficiencies (25 marks).

AMU