



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH SYSTEMS MANAGEMENT AND DEVELOPMENT
MASTER OF SCIENCE IN HEALTH SYSTEMS MANAGEMENT
END OF SEMESTER EXAMINATION MAY-AUGUST 2026**

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

Date : 12th AUGUST 2026

TIME : Three (3) Hours Start-----5:30 PM-----End.....8:30 PM

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. Differentiate between data and information (5 Marks).
2. Explain five components of a Health Information System (HIS) (5 Marks).
3. State five sources of health data used in healthcare organizations (5 Marks).
4. Describe five principles of good data storage in health information management (5 Marks).
5. Outline five ethical issues associated with electronic health records (5 Marks).

SECTION B

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

1. Analyze five legal considerations in healthcare data management. (25 marks)
2. Describe five effects of electronic health records (EHRs) on healthcare organizations, focusing on efficiency, quality of care, and data security. (25 marks)
3. Discuss five importance of Health Information Systems (HIS) in health service delivery. Illustrate your answer with relevant examples. (25 marks)
4. Explain five stages of the Information Systems Life Cycle (ISLC) and discuss how each stage contributes to the successful development of a Health Management Information System (HMIS). (25 marks)
5. Discuss five benefits of integration of subsystems in organizational effectiveness. (25 marks)