



**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 2024**

**UNIT CODE:** HSM 721

**UNIT NAME:** HEALTH INFORMATION AND MANAGEMENT

**DATE:** 10th April, 2025

**TIME:** Three Hours

**Start:** 5:30 PM

**Finish:** 8:30 PM

**INSTRUCTIONS**

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

**SECTION A: COMPULSORY (25 Marks)**

**Short Answer Questions**

1. Explain five (5) that can ensure good healthcare quality (5-marks)
2. Explain three (3) roles of health information in health systems strengthening (5-marks)
3. Explain health information cycle (5-marks)
4. Describe five (5) key principles of data quality (5-marks)
5. Describe two (2) advantages and two (2) disadvantages of non-routine health information data sources for healthcare planning (5-marks)

**SECTION B (Set 5 Questions)**

**ANSWER ANY THREE (3) QUESTIONS (75 Marks)**

**Long Answer Questions**

6. A county health management team (CHMT) in Kenya has been struggling to understand health utilization in the county both at the community level and in health facilities. They have suggested that a health information system be established to collect data that can provide information on the uptake and utilization of services both at the community and facility level.
  - a. Discuss five (5) data sources that you would recommend to respond to the needs of the CHMT (15-marks)
  - b. Discuss steps that you would take to establish an effective health information system to provide the information needed by the CHMT (10-marks)
7. Discuss the guiding principles of Guiding Principles of Routine Health Information System development (25-marks)
8. Discuss five (5) potential benefits of digital health innovations in health (25-marks)
9. Discuss five (5) applications of geographical information systems in health systems strengthening (25-marks)
10. Discuss five (5) factors influencing data demand and information use in health (25-marks)