



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 SEMESTER EXAMINATION DECEMBER 2024

HMD 235: HEALTH MANAGEMENT INFORMATION SYSTEM

DATE: DECEMBER 2024

TIME : Two (2) Hours

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: COMPULSORY (30MARKS)

1. Outline the need of establishing a Health Information System (HIS) in a healthcare facility (3mks)
2. Highlight any three disadvantages of non-routine sources of data for a Health Management Information System (3mks)
3. State three duties of a community health promoter as outlined in the Kenya Community Health Policy 2020-2030 (3mks)
4. Outline three challenges facing efficient utilization of Health Management Information Systems in Kenya (3mks)
5. Identify four service delivery records that are used to collect data in a Facility Based Health Information System (FBHIS) in Kenya (4mks)
6. Differentiate between Tele-health and Telemedicine as used in Health Management Information Systems (4mks)
7. Identify five key components of the Patient Care Information System (5mks)
8. Highlight five principles of ensuring data quality in a Health Management Information System (5mks)

SECTION B: ANSWER ANY TWO QUESTIONS (40MARKS)

9. You have been appointed as the new Chief Executive Officer of Hospital X. Your first assignment is to implement a Health Management Information System. Using relevant examples, describe the necessary steps you will follow to ensure a successful and functional Health Management Information System is in place (20mks)
10. There are different components which form a Health Management Information System at the community level. Using an illustration, identify any five (5) main stakeholders who form these components and describe their roles towards a Community-Based Health Management Information System in Kenya (20mks)
11. Health Information Technology (HIT) presents opportunities for improving and transforming healthcare in the world. Citing relevant examples, discuss its impact on patient safety (20mks)