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HEALTH RECORDS AND INFORMATION TECHNOLOGY LEVEL 5

AITC/HRIT/20/5/A

MANAGE HEALTH INFORMATION

July/August Series



AMREF INTERNATIONAL TRAINING CENTER

WRITTEN ASSESSMENT

DATE:7TH AUGUST 2026

TIME:2 HOURS START:9AM FINISH:11AM

INSTRUCTIONS TO CANDIDATE

1. You have **THREE** hours to answer all the questions.
2. Marks for each question are indicated in the brackets.
3. The paper consists of **TWO** sections: A and B.
4. Do not write on the question paper.
5. A separate answer booklet will be provided.

This paper consists of THREE (3) printed pages

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing

SECTION A

Answer ALL the questions in this section

1. During a staff meeting, health workers discussed concepts such as Health Management Information Systems (HMIS), Information Systems, Health Information Systems (HIS), and Health Indicators. Define the following terms discussed in the meeting.
 - a) Health information system (2marks)
 - b) Indicators (2marks)
2. At Mwangaza Health Centre, delays in reporting monthly disease surveillance data have been experienced. State **FOUR** challenges that a working health information system is likely to experience. (4marks)
3. A newly appointed Health Records Officer at a county hospital is reviewing the different components that make up the hospital's Health Information System. Identify **FOUR** health information systems' subsystems (4marks)
4. The Ministry of Health is planning to invest heavily in digital health technologies to improve healthcare service delivery. Outline **FOUR** benefits of investing in the development of effective health information systems (4marks)
5. Vital statistics registries track all births and deaths as well as certain changes in legal status such as marriage, divorce and migration. Highlight **FOUR** benefits of having a good of vital registration system. (4marks)
6. A sub-county health management team receives monthly reports showing immunization coverage, disease outbreaks, maternal deaths, and stock levels of essential medicines. Mention **FOUR** ways in which data reported in the health information system can be used. (4marks)
7. A Health Records Officer is compiling a quarterly report using information obtained from. Identify **FOUR** sources of data that is used in the Kenyan health information system. (4 marks)

8. The Ministry of Health is assessing the performance of the national Health Information System. Outline FOUR domains of health information with relevant examples. (4 marks)
9. A county hospital is monitoring its performance using indicators such as immunization coverage rates, maternal mortality ratio, bed occupancy rate, and outpatient attendance rates. Enumerate FOUR uses of health indicators as used in health information systems. (4 marks)
10. At each level of the health care system, users of health information have differing needs and use information in different ways. State FOUR importance of Health Information Systems. (4 marks)

SECTION B

Answer any THREE questions from this section.

11. There are various challenges experienced by the creation and implementation of HIS.
 - a) Analyze FIVE challenges facing HIS in Kenya today? (10marks)
 - b) Describe FIVE possible solutions to the challenges discussed above. (10marks)
12. A health system in Kenya has been categorically organized to ensure the smooth running of health services.
 - a) Describe the organization of a health system in Kenya (10marks)
 - b) Explain FIVE data sets used in collecting data required by the health information services (10 marks)
13. The District Health Information System 2 (DHIS2) can be used as a data warehouse. Most organizations are increasingly using Information and Communication Technologies (ICTs) to modernize their public management systems and their external relationships with citizens, businesses and other organizations.
 - a) Explain FIVE ways in which the DHIS2 addresses the need for quality routine health data in Kenya. (10marks)
 - b) Describe TWO types of periods used in the DHIS2. (4 marks)
 - c) Highlight the different facets of the information cycle supported in the DHIS2. (6marks)

14. The Health Records Department at Mwangaza County Referral Hospital is preparing its monthly report for submission to the County Health Management Team. The hospital administrator instructs the Health Records Officer to review the facility's statutory reporting tools and ensure that all required reports are completed and submitted in accordance with national health reporting guidelines.

- a) Discuss THREE statutory reporting tools used in health care. (10marks)
- b) Explain FIVE guidelines for filling the MOH reporting tools (10 marks)

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