



### AMREF INTERNATIONAL TRAINING CENTER

**Qualification Code** : 091905T4HRI  
**Qualification** : HEALTH RECORDS AND IT LEVEL 6  
**Unit Code** : HE/OS/HR/CR/03/6/A  
**Unit of Competency** : Manage Health Information Systems

### WRITTEN ASSESSMENT

**Time: 3 hours**

### INSTRUCTIONS TO CANDIDATES

1. This paper consists of **TWO** sections: A and B.
2. Answer questions as per instructions in each section.
3. Maximum marks for each question are indicated in brackets ().
4. You are provided with a separate answer booklet.

**This paper consists of FOUR printed pages.**

**Candidates should check the question paper to ascertain that all the pages are printed as indicated**

**SECTION A: 40 MARKS**

**Answer All Questions**

1. Define the following terms as used in health care. (4marks)
  - a. Health Management information system
  - b. Information system
  - c. Health information system
  - d. Indicators
2. Health Information Systems experience various challenges .State **FOUR** challenges that a working health information system is likely to experience. (4marks)
3. A health information system can be considered to consist of several separate subsystems .Name **FOUR** health information systems' subsystems (4marks)
4. Investing in the development of effective health information systems would have multiple benefits and would enable decision- makers at all levels .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** benefit having a good of vital registration system. (4marks)
6. Health Information can be used in various ways. Mention **FOUR** ways in which data reported in health information system can be used. (4marks)
7. Data is an important aspect in health information cycle. Identify **FOUR** sources of data that is used in the Kenyan health information system (4 marks)
8. The domains are areas of interest that a health information system should address. Name **FOUR** domains of health information with relevant examples. (4 marks)
9. Indicators help measure what actually happened in terms of quality, quantity, and timeliness against what was planned. 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: 60 MARKS**

*Answer any THREE questions from this section.*

11. There are various challenges experienced by the creation and implementation of Health Information System.
- a. Discuss **FIVE** challenges facing HIS in Kenya today (10marks)
  - b. Discuss **FIVE** possible solutions to the challenges discussed above. (10marks)
12. A health system in Kenya has been categorically organized to ensure smooth running of health services.
- a. Describe the organization of a health system in Kenya. (10marks)
  - b. Discuss **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. (2marks)
  - c. Explain **TWO** types of browsers that are used to access the DHIS2. (2marks)
  - d. Describe different facets of the information cycle supported in the DHIS2. (6marks)
14. Electronic Medical Records (EMR) is a longitudinal collection of electronic health information that provides immediate, authorized access to person and population level data to support efficient health services delivery process.
- a. Explain **FIVE** advantages of using EMR in HIS. (10marks)
  - b. Describe **FIVE** disadvantages of using EMR in HIS. (10marks)