



AMREF INTERNATIONAL TRAINING CENTRE

Qualification Code : 091906T4HRI
Qualification : HEALTH RECORDS & IT Level 6
Unit Code : HE/CU/HR/BC/04/6/A
Unit of Competency : Manage Electronic Health

TIME: 3 HOURS

WRITTEN ASSESSMENT

INSTRUCTIONS TO THE CANDIDATE

1. In this assessment, you will be required to answer **written** questions.
2. You have **TWO (2)** hours to answer all the questions.
3. Marks for each question are indicated in the brackets.
4. The paper consists of **TWO** sections: A, A and C
5. Candidates should answer all the questions in English

SECTION A: 40 MARKS

Answer ALL questions in this section

1. Digital health is majorly operating on specific platforms to achieve quality of care. Distinguish between e-Health and EMR (4marks)
2. Define E-health and give two technology applied in the same (4marks)
3. E-health focus on data analysis and visualization. Highlight FOUR sources of data that E-health depend on for its operation (4marks)
4. System is mainly for the purpose of decision making. Identify FOUR perceived benefits of electronic system in decision making aspect (4marks)
5. Digitization of information transfer and sharing has achieved milestone. Identify FOUR ways in which this has been made possible (4marks)
6. Electronic systems undergo analysis before implementation. Highlight the FOUR principles applied in implementing an electronic system (4marks)
7. Developers rely mainly on HRIOs while developing a hospital system especially on data flow and transfer. Highlight FOUR types on these data captured in a hospital during care of the patient (4marks)
Information flow is key for a functional system. With an aid of a diagram demonstrate the flow of information until the patient is discharge home from the OPD (5marks)
8. EMR works well under specific requirements. Identify two requirements needed for EMR to work effectively (2marks)
9. Health has been moved to use of phone and mobile applications. Identify FIVE key benefits of this incorporating health in use of Mobi-apps (5 marks)
10. Many health workers prefer use of electronic health in the promotion and preventive health. Identify FOUR shortcomings to E-health. (4 marks)

SECTION B: 60 MARKS

Answer Three questions from this section.

11. While using E-health in the health industry, many people have confirmed that it is the way to go in proper information management
- a) Discuss five solutions that the use of E-health has demonstrated (10marks)
 - b) Explain five challenges E-health implementation has faced in Kenya (10marks)
12. A secure e-Health system is a gain for any facility that has fully digitized their system
- a. Explain five security measures applied in E-health systems (10 marks)
 - b. Discuss security threats in computer systems (10 marks)
13. When implementing e-Health has encountered several challenges and barriers. However, the digital health has achieved and impacted heavily health sector.
- a) Discuss FIVE impacts that digital health has promoted in health systems in Africa (10marks)
 - b) Describe five factors that are considered before purchasing a given E-HR system (10marks)
14. Introduction of digital health bill will impact healthcare delivery in enhancing quality data analysis
- a. Explain five reasons why the government is emphasizing on digital health (10 marks)
 - b. Discuss five improvements that need to be done to promote full adoption to digital health (10 Marks)