

091905T4HRI

Health Records & IT Level 6

HE/CU/HR/BC/04/5/A

Manage Electronic Health



AMREF INTERNATIONAL TRAINING CENTER

WRITTEN ASSESSMENT

Time: 3 HOURS

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 (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 the digital health as applied in building of health information platforms (4marks)
3. Electronic health records has been essential in managing patients information and data security. Highlight four shortcomings of digitized information management systems (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 four considerations put in place before an electronic information system is installed in a health system (4marks)
7. Developers rely mainly on HRIOs while developing a hospital system especially on data flow and transfer. Highlight FOUR types of these data captured in a hospital during care of the patient (4marks)
8. 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 (3marks)
9. EMR works well under specific requirements. Identify two requirements needed for EMR to work effectively (2marks)
10. Health has been moved to use of phone and mobile applications. Identify FIVE key benefits of this incorporating health in use of Mobi-apps (3marks)
11. Many health workers prefer use of electronic health in the promotion and preventive health. Identify FOUR shortcomings to E-health. (4 marks)

SECTION B

Attempt Three questions from this section.

12. While using E-health in the health industry, many people have confirmed that it is the way to go in proper information management
- A) Briefly discuss five solutions that the use of E-health has demonstrated (10marks)
 - B) Explain five challenges E-health implementation has faced in Kenya (10marks)
13. 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 in ensuring patient information privacy and security (10marks)
 - b. Discuss security threats in computer systems and E-health management systems in the world today (10 marks)
14. 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) Discuss 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 in the current world today (10 marks)

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