

091906T4HRI
HEALTH RECORDS AND INFORMATION TECHNOLOGY LEVEL 6
HE/OS/HR/CR/07/6/A
MANAGE ELECTRONIC HEALTH
July /Aug 2023



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

WRITTEN ASSESSMENT

Time: 3 hours

INSTRUCTIONS TO CANDIDATES

1. This paper has two sections **A** and **B**.
2. You are provided with a separate answer booklet.
3. Marks for each question are as indicated.
4. Do not write on the question paper.

This paper consists of 3 printed pages

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

SECTION A: (40 Marks)

Answer all questions in this section.

1. Give two differences between EMR and EHR (4 Marks)
2. What do you understand by the term “data validation” as one of the activity done before submission of e-data? (2 Marks)
3. Outline FOUR ways in which Telemedicine has revolutionized healthcare delivery in the world. (4 Marks)
4. Explain TWO reasons why adoption of technology in in healthcare industry in the developing world has been slow. (4 Marks)
5. List any FOUR digital equipment used in the hospital. (4 Marks)
6. A meaningful use of EMR is important in transformation of health service provision. State FOUR achievements of meaningful use of EMR. (4 Marks)
7. State FOUR remote monitoring technologies that allow healthcare providers to check health of their clients remotely. (4 Marks)
8. Patient portals have brought significant behavioral change among patients seeking health services from a distance. Outline FOUR benefits of patient portals to be patient. (4 Marks)
9. Enumerate two considerations a hospital needs to put in place when procuring an EMR system. (2 Marks)
10. List TWO patient data captured by digital medical equipment. (2 Marks)
11. Explain THREE security mechanisms one can put in place to ensure e-health data is securely transmitted. (6 Marks)

SECTION B: (60 Marks)

*Answer any **three** questions in this section.*

12. A county hospital in Kenya wants to fully adopt technology to deliver health services. This use of technology is termed “telemedicine” which comes with advantages. However, the hospital will encounter some drawbacks when using telemedicine. Giving an example in each case, discuss five drawbacks that are likely to be encountered. (20 Marks)
13. Paper based records have been replaced with e-records to enhance quality of care. One of the systems used to have paperless records during patient care is Electronic Health Records. Explain TEN functions an EHR will serve to its users. (20 Marks)
14. Online booking has helped in e-appointments. The hospitals need to migrate from manual appointment to e-appointment systems. Describe FIVE ways in which the hospital will benefit from these online appointments. (20 Marks)
15. Electronic health records are just but a digital format of the paper records. As a health record officer, one need to ensure that all required details in electronic health records management system are correctly captured, giving an example in each case, discuss FIVE details captured in electronic health data management system. (20 Marks)

END