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**09190514HRI**

## **HEALTH RECORDS AND INFORMATION TECHNOLOGY LEVEL 5**

**HE/OS/HR/CR/05/5**

**Code and Index Diseases**

**July/August 2025**

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

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### **WRITTEN ASSESSMENT**

**Time: 3 HOURS**

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### **INSTRUCTIONS TO CANDIDATE**

1. This paper consists of **TWO** sections: **A** and **B**.
2. Attempt **ALL** questions in section A and **ANY THREE (3)** questions in section B.
3. Marks for each question are indicated in the brackets.
4. Candidates are provided with a separate answer booklet.
5. Do not write on the question paper.

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**This paper consists of THREE (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)***Attempt ALL the questions in this section*

1. Define the following terms as used in health data classification:

a) Health. (2 Marks)

b) Cause of death. (2 Marks)

2. State FOUR purposes of international classification of disease that was developed by WHO. (4 Marks)

3. Volume III of ICD is Alphabetically arranged from A to Z and not according to the 21 chapters of ICD and also divided in section. Name FOUR conventions used in volume III. (4 Marks)

4. Parenthesis are commonly used in Volume one in FOUR important situations during coding of medical condition. Mention FOUR uses of parenthesis. (4 Marks)

5. Neoplasms are common condition being treated in most of the tier IV hospital in Kenya. List FOUR types of neoplasms. (4 Marks)

6. State FOUR roles of the health records and information technician in international classification of diseases. (4 Marks)

7. Write the following medical abbreviation used in health data classification in full:

a) SVD. (1 Mark)

b) NOS. (1 Mark)

c) PUD. (1 Mark)

d) NEC. (1 Mark)

8. Medical certification is a written statement from a physician or other medical qualified providers which attest to the result of a medical examination of a patient/client. When a patient dies, it must be confirmed by medical certifiers. Mention FOUR certifiers of death. (4 Marks)

9. Name the first FOUR chapters of the international classification of procedures in medicine. (4 Marks)

10. Chapter one of international classification of diseases consist of 21 blocks. List FOUR conditions of this chapter. (4 Marks)

**SECTION B: (60 MARKS)**

***Attempt ANY THREE questions in this section***

11. A newly appointed HRIO needs to understand the arrangement of current version of ICD. This makes it easy to locate the conditions and assign the correct code.

a) Describe the structure of the ICD 11. (10 Marks)

b) Outline FIVE new chapters of ICD 11. (10 Marks)

12. One of the key roles of a health records and information officer is disease indexing.

a) Explain indexing under the following sub topics:

i. Definition of indexing. (2 Marks)

ii. Describe THREE importance of indexing. (6 Marks)

b) Explain FOUR types of indexing methodologies. (12 Marks)

13. Otongolo aged 12, acutely ill is brought to the emergency department by his parents and presented the following symptoms: a high fever, nausea, vomiting, headache, and dizziness. Malaria parasites test was performed, and the provider documents reveal presence of malaria as the primary diagnosis.

a) Name the chapter that this diagnosis is found. (2 Marks)

b) Identify TWO documents you would consult when looking for the condition to code. (2 Marks)

c) Explain systematically how you would go about coding Otongolo's diagnosis. (16 Marks)

14. "Prevention is better than cure". This concept resonates well with the prevention and treatment of medical conditions within the various levels of health care.

a) Explain SIX levels of health care that ensure quality and reliable health services in Kenya. (12 Marks)

b) Describe FOUR factors that contribute to poor health services in Kenya today. (8 Marks)