

**091905T4HRI**

**HEALTH RECORDS AND INFORMATION TECHNOLOGY LEVEL 5**

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

**Apply Medical Pathology**

**March/April 2025**



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

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**WRITTEN ASSESSMENT**

**Time: 3 HOURS**

**INSTRUCTIONS TO CANDIDATE**

1. Marks for each question are indicated in the brackets.
2. The paper consists of **TWO** sections: **A** and **B**.
3. Answer **ALL** the questions in section **A**, **Question 11** and **Any other TWO** Questions in **Section B**
4. Candidates are provided with a separate answer booklet
5. **DO NOT** write on this question paper.

**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)**

*Answer ALL the questions in this section.*

1. State FOUR types of immunity that helps in prevention of diseases in human bodies. (4 Marks)
2. What is the difference between a benign and malignant tumor in terms of growth and potential health risks? (4 Marks)
3. Disease prevention is better than cure. List FOUR vaccine-preventable diseases. (4 Marks)
4. Human diseases can be categorized as communicable or non-communicable. Record FOUR ways used in the control of communicable diseases in Kenya. (4 Marks)
5. Differentiate between congenital and hereditary diseases. (4 Marks)
6. Disease occurrence is attributed to various causative agents. Outline FOUR causative agents of disease. (4 Marks)
7. State FOUR modes of HIV/AIDS transmission. (4 Marks)
8. Identify FOUR reasons for storage of pathological records. (4 Marks)
9. Outline FOUR pathological specimens that can be obtained from the human body to know the cause of a disease. (4 Marks)
10. You have been instructed to create a pathological file. List four documents you will include in the file. (4 Marks)

**SECTION B (60 MARKS)**

*Answer Question 11 and any other TWO Questions in This Section*

11.

- a) Define the term cancer. (2 Marks)
- b) Describe THREE general risk factors for cancer. (6 Marks)
- c) Describe THREE types of tumors. (12 Marks)

12.

- a) Draw a well labelled diagram of a cell and discuss the organelles found there. (10 Marks)
- b) Patient Y fell from a tree, the doctor examined him and said that he could have possibly developed some fractures; Describe FIVE types of fractures that patient Y could have developed. (10 Marks)

13.

- a) Explain FOUR ways of disease transmission (8 Marks)
- b) Discuss the THREE levels of disease prevention (12 Marks)

14. Discuss inflammation under following sub topics

- a) Inflammatory Process. (4 Marks)
- b) FIVE Clinical manifestations of inflammation. (10 Marks)
- c) THREE outcomes of inflammation. (6 Marks)