

**091906T4HRI**  
**HEALTH RECORDS AND INFORMATION TECHNOLOGY LEVEL 6**  
**HE/OS/HR/CC/05/6/A**  
**Apply Medical Pathology**  
**July /Aug 2023**



## **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 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 questions in this section**

1. Name FOUR common species of the mosquito vector (4 Marks)
2. Differentiate between Prognosis and Diagnosis as used in medical pathology (4 Marks)
3. Give any FOUR examples of Non-Communicable Diseases (NCDs) (4 Marks)
4. A patient has visited a healthcare facility. State any FOUR relevant information that a pathologist will need to make an accurate diagnosis for this patient. (4 Marks)
5. Signs and symptoms are two terms that are always used interchangeably but they have different meaning. Distinguish between sign and symptom (4 Marks)
6. Highlight any FOUR pathogenic causes of disease in human (4 Marks)
7. State FOUR modes of transmission of AIDS (4 Marks)
8. Pathological reports are among the reports stored by health records and information department. Give any FOUR benefits of filing pathological reports (4 Marks)
9. Cancer is among the leading killer diseases in the world. State any FOUR general risk factors for cancer (4 Marks)
10. Autoimmune diseases occurs when your body immune system mistakes your body part or organ for a foreign object hence launching an attack to it.
  - a) Give TWO examples of autoimmune diseases (2 Marks)
  - b) State TWO predisposing factors to autoimmune diseases (2 Marks)

**SECTION B: (60 MARKS)**

**Answer any THREE questions in this section**

11. A 72-year-old female is admitted with severe COVID 19 infections.
- a) What is the causative agent of COVID-19? (2 Marks)
  - b) Describe any FOUR signs and symptoms of COVID-19 (8 Marks)
  - c) Briefly describe any FIVE possible methods that can be used to slow the Spread of COVID-19 (10 Marks)
12. Discuss any FIVE common barriers in access to pathological services (20 Marks)
13. For a disease to occur, several factors must interrelate forming an epidemiological triad of disease causation.
- a) Define epidemiologic triad of disease causation (2 Marks)
  - b) Illustrate the epidemiological triad (6 Marks)
  - c) Describe the SIX chain of disease transmission (12marks)
14. Discuss acute inflammation in human pathology under the following sub topics;
- a) Definition (2 Marks)
  - b) Types of acute inflammation (8 Marks)
  - c) Causes of acute inflammation (5 Marks)
  - d) Signs and symptoms of acute inflammation (5 Marks)

END