

**091906T4HRI**

**HEALTH RECORDS AND INFORMATION TECHNOLOGY LEVEL 6**

**HE/OS/HR/CC/05/6/A**

**APPLY MEDICAL PATHOLOGY**

**NOV/DEC 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 from this section*

1. Using the knowledge acquired in medical pathology, distinguish between;
  - a) Acute from chronic disease (2 Marks)
  - b) Infectious from non-infectious disease (2 Marks)
2. Outline any FOUR diseases caused by viruses (4 Marks)
3. Ascariasis is one of the most common worm infections in people worldwide. Give FOUR symptoms of ascariasis (4 Marks)
4. Vaccination is one of the disease prevention interventions commonly used. Give FOUR Vaccine-Preventable diseases (4 Marks)
5. Differentiate Autoimmune from Hypersensitivity diseases. (4 Marks)
6. HIV, as a virus, is one of the incurable diseases. State four modes of transmission of HIV (4 Marks)
7. Biopsy is a medical procedure to remove a piece of tissue from the body so that it can be tested in the laboratory. List any FOUR types of Biopsies (4 Marks)
8. What are the types of tissue that pathologists examine? (4 Marks)
9. Diabetes is one of the existing chronic illnesses. Highlight FOUR predisposing factors to diabetes. (4 Marks)
10. Highlight FOUR Signs and symptoms of acute inflammation (4 Marks)

**SECTION B: (60 MARKS)**

*Answer any **THREE** questions*

11. Describe the Malaria under the following sub topics:
- a) Causative agent (2 Marks)
  - b) Risk factors (4 Marks)
  - c) Mode of transmission (5 Marks)
  - d) Signs and symptoms (10 Marks)
12. A pathologist takes interest in matters of diseases causation as his main area of concentration.
- a) Define epidemiologic triad of disease causation (2 Marks)
  - b) Describe the chain of disease transmission (18 Marks)
13. A tissue is a group of cells that have similar structure that function together as a unit.
- a) How is tissue for examination by the pathologist obtained? (10 Marks)
  - b) How is tissue processed after a biopsy or surgery? (10 Marks)
14. Cancer is the leading cause of death worldwide accounting for nearly 10 million deaths in 2020.
- a) Define the term cancer (2 Marks)
  - b) Describe SIX general risk factors for cancer (12 Marks)
  - c) Explain the three types of tumors (6 Marks)

**THIS IS THE LAST PRINTED PAGE**