

091206T4PTT

PERIOPERATIVE THEATRE TECHNOLOGY LEVEL 6

HE/OS/TT/CC/03/6/A

Demonstrate Knowledge of Common Diseases

Nov/Dec 2023



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

WRITTEN ASSESSMENT

Time: 3 Hours

INSTRUCTIONS TO THE CANDIDATE

1. The paper consists of **TWO** sections: **A** and **B**
2. Do not write on the question paper.
3. Marks for each question are indicated in the brackets
4. You are provided with a separate answer booklet.

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** the questions in this section.*

1. Using relevant examples, state TWO categories of common diseases. (4 marks)
2. A theatre technologist knows that in the study of common diseases, there is emphasis on the prevention of diseases. Highlight THREE major levels of prevention. (3 marks)
3. Identify THREE control measures that can be taken to prevent cholera. (3 marks)
4. State THREE clinical manifestations of diabetes mellitus. (3 marks)
5. Anemia is a common condition among the Kenyan. State FOUR types of anemia. (4 marks)
6. Outline FOUR signs and symptoms of Human Immunodeficiency Virus (HIV) according to World Health Organization staging. (4 marks)
7. Outline FOUR clinical features of typhoid fever. (4 marks)
8. Identify FOUR triggers of asthmatic attacks. (4 marks)
9. Highlight FIVE modifiable risk factors for cancer. (5 marks)
10. Outline the 4Cs in the management of Sexually Transmitted Infections (STIs). (4 marks)
11. Define the term reservoir. (2 marks)

SECTION B: (60 MARKS)

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

12. Most diseases including both communicable and non-communicable diseases have a characteristic natural history.
- a) Define the term natural history of diseases. (2 marks)
 - b) Using an illustration describe the FOUR stages in the natural history of communicable diseases. (18 marks)
13. The chain of infection can be broken at different points.
- a) Discuss the SIX elements of the chain of infection. (12 marks)
 - b) Explain FOUR interventions used to break the chain of infection. (8 marks)
14. Kenya is one of the countries in the world that is battling with increased cases of diabetes mellitus among its population.
- a) Define Diabetes Mellitus. (2 marks)
 - b) Explain THREE types of diabetes mellitus. (6 marks)
 - c) Discuss the risk factors for Diabetes mellitus under the following subheadings:
 - i. Modifiable factors. (4 marks)
 - ii. Non-modifiable factors. (2 marks)
 - d) Discuss management of a patient with diabetes mellitus. (6 marks)
15. A perioperative theatre technologist is on duty when a patient with intestinal obstruction secondary to worm infestation is brought for explorative laparotomy.
- a) Outline FOUR common helminthes. (4 marks)
 - b) State FOUR signs and symptoms of worm infestation. (4 marks)
 - c) Describe SIX prevention and control measures of worm infestation. (12 marks)

END