

091206T4PTT

PERIOPERATIVE THEHRE TECHNOLOGY LEVEL 6

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

DEMONSTRATE KNOWLEDGE OF COMMON DISEASES

July/August 2024



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

WRITTEN ASSESSMENT

3 HOURS

INSTRUCTIONS TO CANDIDATE

1. This paper consists of two sections; **A** and **B**
2. Answer **ALL** the question as guided in each section
3. Marks for each question are as indicated in the brackets
4. You are provided with a separate answer booklet to answer the questions
5. Do not write in this question paper

This paper consists of FOUR (4) 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. In developing countries, communicable diseases are very common and often result to death when poorly managed. Outline FOUR aspects in which you can offer health education in prevention and control of communicable diseases. (4 Marks)
2. Mr. Loo was recently admitted in hospital K, where you work as a theatre technician, after several tests a diagnosis of diabetes was made. State FIVE cardinal signs and symptoms of diabetes. (5 Marks)
3. Hypertension can affect the surgical care of a patient. Outline FOUR complications of hypertension. (4 Marks)
4. There are three levels of diseases prevention used by health care team to promote restore and maintain health of patients. Highlight the THREE interventions done in primary level of disease prevention. (3 Marks)
5. Mrs. R arrives in an outpatient department where you are on duty triaging all the patients, on assessment of her weight and height, her body mass index is 31.5, this BMI indicates that she is obese. Explain the TWO types of obesity. (4 Marks)
6. Mr Theo, a 70 years old man, is brought in operating theatre where you are part of the sterile team for removal of a benign tumor in his prostate gland. Outline THREE risk factors associated with cancer. (3 Marks)
7. You are assigned by the surgical ward team leader to give health education to a newly diagnosed Chronic Obstructive Pulmonary Disease patient on the risk factors associated with COPD. State the TWO categories of risk factors associated with non-communicable diseases. (2 Marks)
8. Current trend of feeding habits among the young people in the society has led to a rise in the incidence of obesity. Highlight THREE measurers you would use to assess obesity. (3 Marks)
9. Mobility of individuals having an advanced age, above 50 years is usually affected by arthritis. State THREE symptoms of arthritis. (3 Marks)
10. Communicable diseases are easily spread from one person to another. Giving examples highlight TWO ways in which diseases are commonly spread. (4 Marks)

11. Natural history of a disease is the natural course of disease from inception through resolution in the absence of treatment. Outline FIVE stages of disease progression.

(5 Marks)

SECTION B: (60 MARKS)

*Answer any **THREE** questions in this section*

12. Mr. Que, a 38years old man, has been a heavy alcohol consumer for the last 18 years of his life. He was recently taken to Care hospital with complains of severe abdominal distention and later diagnosed with liver cirrhosis. Discuss TEN risk factors associated with liver cirrhosis. (20 Marks)
13. There are key differences between various diseases that exist in the community.
- a) By use of a table, explain any FOUR comparisons between communicable diseases with non- communicable diseases. (8 Marks)
 - b) With the aid of a diagram, describe the components in the chain of infection. (12 Marks)
14. Pathogens are the etiology of most infectious diseases and the human body has various mechanisms of defending itself against pathogens.
- a) Describe FIVE ways on how the body prevents itself from the entry of microorganisms. (10 Marks)
 - b) With examples outline any FIVE pathogens and the disease they cause. (10 Marks)
15. Areas surrounded with water bodies such as lakes are commonly termed as Malaria endemic zones. Individuals infected by malaria and fail to seek timely treatment end up with complications associated with the disease and some of them die from these complications.
- a) Identify FOUR species of plasmodium that cause malaria. (4 Marks)
 - b) Outline SIX clinical signs and symptoms of malaria (6 Marks)
 - c) Explain FIVE preventive measures of malaria. (10 Marks)

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