

091205T4PTT

PERIOPERATIVE THEATRE TECHNOLOGY LEVEL 5

HE/OS/TT/CR/01/5/A

PROVIDE PERIOPERATIVE THEATRE SAFETY PRECAUTIONS

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 THREE (3) printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

SECTION A: (40 MARKS)

Attempt ALL the questions in this section

1. Theatre environment has significant hazards that must be meticulously managed to ensure the safety of patients and healthcare professionals. Identify FOUR classifications of hazards in operating theatre (4 Marks)
2. Specimen collected during surgery from patient in operative theatre must be clearly labeled to ensure safety. Outline any FOUR information to include in the label. (4 Marks)
3. Good theatre lighting is essential for creating an immersive and effective theatre experience. State THREE characteristics of a good operating theatre lighting system. (3 Marks)
4. Ensuring accurate patient identification in the operating theatre is critical for patient safety and the prevention of medical errors. Identify FIVE insufficient identification of patient information that can lead to law suit. (5 Marks)
5. Burns in the operating theatre are serious incidents that can occur due to various factors. Highlight any FOUR possible causes of burn to patient in the operating theatre. (4 Marks)
6. Explosions in the operating theatre are rare but potentially catastrophic events that can result from various factors. Give any FOUR precautionary measures that need to be put in place to prevent explosions in operative theatre. (4 Marks)
7. Patient privacy is paramount for mental safety. Indicate any THREE instances where the patient privacy can be violated. (3 Marks)
8. In order to ensure patient safety a consent form must be signed by the patient before operation. Outline any FIVE information the patient needs to be explained to before signing the consent form. (5 Marks)
9. Surgical site infections (SSIs) are infections that occur after surgery in the part of the body where the surgery took place. State FOUR safety measures to put in place to prevent acquisition of infections in operating theatre. (4 Marks)
10. Conducting fire drills in the operating theatre is essential for ensuring the safety of patients and healthcare staff. State the meaning of acronym PASS as used in fire extinction during fire drill exercises. (4 Marks)

SECTION B: (60 MARKS)

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

11. Mr. X dies intraoperatively due to unknown cause. A postmortem done to the patient revealed that patient died due to cardiac arrest.
- a) Identify any SIX other possible causes of death in the operative theatre. (6 Marks)
 - b) Explain any SEVEN measures that need to be put in place to prevent death of patient in operative theatre. (14 Marks)
12. Sharp injuries are a major cause of trauma in operative theatre.
- a) Define the term sharp injury. (2 Marks)
 - b) Highlight on any SIX actions to take after a sharp injury. (6 Marks)
 - c) Discuss SIX safety measures a health care worker needs to put in place to prevent sharp injuries. (12 Marks)
13. Safety precautions when using electrical equipment is important in operating theater.
- a) Describe FIVE preparations that needs to be done on the patient to ensure safety when using diathermy machine. (10 Marks)
 - b) Identify and explain FIVE precautionary measures that need to be put in place when using suction machine to ensure patient safety. (10 Marks)
14. The surgical safety checklist is key in the operating theatre environment.
- a) Describe FOUR benefits of safety surgical checklist in theatre. (8 Marks)
 - b) Explain the THREE components of a surgical safety theatre checklist. (12 Marks)

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