

091206T4PTT

PERIOPERATIVE THEATRE TECHNOLOGIST LEVEL 6

HE/OS/TT/CR/01/6/A

EXECUTE OPERATION 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 guide consists of THREE (3) printed pages.

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

SECTION A (40 MARKS)

Answer ALL the questions in this section.

1. Before an incision is made during surgery, a time out is done to avoid wrong site surgery. State any FOUR types of information checked during the time out according to the WHO Surgical safety checklist. (4 Marks)
2. As a theatre technician working in the operation theatre, what are the TWO reasons of positioning a patient in theatre. (2 Marks)
3. As part of patient and surgical team safety consideration in theatre, the use of personal protective equipment is highly prioritized. Highlight FOUR personal protective gears a perioperative technician should wear during an operation. (4 Marks)
4. Surgical site infection is commonly associated with retained surgical items after surgery. Describe TWO incidences when surgical instrument count should be done. (4 Marks)
5. Surgical instrument count is vital part of patient safety in operation theatre, outline FOUR items that you should count before starting an open surgery. (4 Marks)
6. Sharp objects in theatre are a potential source of injury. Explain FOUR ways of handling sharp items in theater. (4 Marks)
7. You are the theatre technologist on duty working in hospital X, as part of your safety practice you performed check-listing while receiving Mr. Jonah in theatre who was due for an operation. Give FIVE reasons for use of a patient checklist. (5 Marks)
8. In perioperative patient care, it is very important to identify your patient as a theatre technologist. Explain three (3) key patient identifiers used to identify a patient when receiving them in theatre. (6 Marks)
9. The operative record is a permanent part of the patient's medical record. Note that, nearly all components of perioperative clinical documentation relate directly or indirectly to patient safety and injury prevention. State THREE components included while documenting operative records. (3 Marks)
10. When assessing the patient in post anesthesia care unit (PACU) you noticed some alarm sounds coming from the patient monitor. Explain TWO causes of alarm signals on a patient monitor in theatre. (4 Marks)

SECTION B: (60 MARKS)

Answer any THREE questions in this section

11. As a theater technologist the positioning of patients is crucial for access to the surgical site and patient safety. Describe any TEN positions used in operation theatre. (20 Marks)
12. Upon patient's arrival in the operating room, the theatre technologist is required to verify that consent documentation is in the chart and is correct, properly signed by the patient before administration of anesthesia.
 - a) Define the term informed consent (2 Marks)
 - b) State FOUR importance of informed consent in theatre (4 Marks)
 - c) Discuss SEVEN components of an informed consent (14 Marks)
13. During a surgical operation in operating room, a lot of waste is generated and can pose harm to the patient and the surgical team.
 - a) Describe waste segregation in theater waste as per the WHO standards (10 Marks)
 - b) Describe FIVE methods of waste disposal in theatre. (10 Marks)
14. Safety of the theatre staff and patients is paramount and should be a priority to all personnel in the theatre.
 - a) Describe TEN common hazards in theatre (10 Marks)
 - b) Describe FIVE preventive measures of common hazards in the operating room (10 Marks)

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