

091206T4PTT

PERIOPERATIVE THEATRE TECHNOLOGY LEVEL 6

HE/OS/TT/CR/07/6/A

Participate In Perioperative Theatre Clinical Services

Nov/Dec 2023



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

WRITTEN ASSESSMENT

Time: 3 Hours

INSTRUCTIONS TO 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. Explain the TWO main classes of anesthetic agents used in surgery. (4 marks)
2. Explain TWO characteristics of an ideal general anesthetic drug. (4 marks)
3. Review TWO documents that are maintained by anaesthetist. (4 marks)
4. Outline any FOUR classes of medications administered to a patient during the post-operative phase, giving one example in each case. (4 marks)
5. State FOUR principles of aseptic technique that should be adhered to during the perioperative period. (4 marks)
6. Name FOUR components of the emergency trolley in the operation theatre. (4 marks)
7. Every procedure done in an operation theatre should be documented. Justify FOUR reasons for documentation in theatre. (4 marks)
8. Highlight FOUR patient positions in relation to the surgical procedure to be undertaken. (4 marks)
9. Patient identification is key while receiving patient for surgery. State FOUR particulars of identification that you should confirm. (4 marks)
10. You are stationed at PACU postoperatively, outline FOUR important indicators to monitor in a post-operative patient. (4 marks)

SECTION B: (60 MARKS)

Answer any three questions in this section

11. Mrs. X is a patient who has just undergone an abdominal surgery due to intestinal obstruction. Discuss how you will manage this patient during the following perioperative phases:
- a) Pre-operative phase and reception into the operation theatre. (5 marks)
 - b) Intraoperative phase. (7 marks)
 - c) Postoperative phase. (8 marks)
12. Waste is always generated during surgical procedure in theatre.
- a) Explain any FIVE steps in the waste management process. (10 marks)
 - b) Explain the FIVE color-coded bins as used to segregate waste in theatre. (10 marks)
13. Standard preparation of patients for surgery prevents perioperative occurrence of infections.
- a) Outline SIX nursing skills applied in preparation of patients for surgery. (6 marks)
 - b) Mention SIX materials that you can use for positioning of patient before surgery. (6 marks)
 - c) Describe the process of patient prepping and draping before surgery. (8 marks)
14. Theatre team has a responsibility of ensuring prevention of infection transmission during surgery, state the standard precautions and ethics for:
- a) Changing into the operation theatre scrubs. (6 marks)
 - b) Hand washing and hand scrubbing. (6 marks)
 - c) Surgical gowning and gloving before surgery. (8 marks)