

091206T4PTT

PERIOPERATIVE THEATRE TECHNOLOGY LEVEL 6

HE/OS/TT/CR/02/6/A

Prevent Nosocomial Infections

July/Aug 2023



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

WRITTEN ASSESSMENT

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATE

1. This paper has two sections **A** and **B**.
2. You are provided with a separate answer booklet.
3. Marks for each question are indicated.
4. Do not write on the question paper.

**This paper consist of THREE printed pages
Candidate 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** questions in this section*

1. List any FOUR principles applicable when using personal protective equipment.
(4 marks)
2. State any THREE purposes of a CSSD department in a hospital. (3 marks)
3. Outline any THREE precautions one should observe when storing sterile instruments. (3 marks)
4. A theatre technologist has prepared a laparotomy set for sterilization. State THREE instruments likely to be found in the set. (3 marks)
5. Ventilator systems are routinely used in theatre. Outline FOUR advantages of laminar airflow. (4 marks)
6. State FOUR examples of antiseptics you would use in the operation theatre. (4 marks)
7. Sterilization of surgical instruments is an important process in ensuring safe and effective surgical procedures in the operation unit. State SIX (6) factors to consider when choosing a method of sterilization. (6 marks)
8. Preadmission tests are scheduled according to the guidelines of each health facility. State THREE main preoperative preparations usually done for a patient undergoing surgery. (3 marks)
9. State FIVE factors to consider when choosing a method of sterilization. (5 marks)
10. Define documentation as used in an operation theatre and state FOUR types of reports that a theatre technologist can write and disseminate at the end of their shift. (5 marks)

SECTION B: [60 MARKS]

Answer any three questions in this section.

11. Infection prevention is a key aspect in prevention of nosocomial infections
- a) Explain FIVE categories of hospital waste. (10 marks)
 - b) Explain FIVE ways in which waste is segregated in a hospital. (10 marks)
12. You are allocated in the receiving area of the operation theatre unit during a busy day.
- a) State FIVE important details that you must obtain from the ward nurse during identification of patients received into the operation theatre for surgery. (5 marks)
 - b) Outline FIVE sources of information that you will use to verify the identity of the patients during reception into the operation theatre unit. (5 marks)
 - c) State FOUR reasons for record maintenance in Operation Theater. (4 marks)
 - d) Explain the THREE parts of the WHO surgical checklist (6 marks)
13. You assigned to preparation of the operation room for different types of surgeries, packing of surgical sets as per the procedures on the schedule and decontamination of used surgical instruments.
- a) Explain any FOUR types of surgeries that can be performed in an operation theatre. (8 marks)
 - b) Describe the process of decontaminating used surgical instruments. (10 marks)
 - c) Outline any TWO types of surgical packs that you are likely to prepare during your shifts. (2 marks)
14. You are a perioperative theatre technician allocated to work in an isolation room within the operation theatre unit. A post-operative patient with an infectious disease is being managed in the isolation room and you are part of the team responsible for managing the patient.
- a) State any SIX personal protective equipment (PPE) that you will be required to use while caring for the patient. (6 marks)
 - b) Outline the steps used in the donning and doffing of PPE under the following sub-headings:
 - i. Donning (7 marks)
 - ii. Doffing (7 marks)