

**091206T4PTT**

**PERIOPERATIVE THEATRE TECHNOLOGY LEVEL 6**

**HE/OS/TT/CR/03/6/A**

**Maintain Perioperative Theatre Instruments and Apparatus**

**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 the questions in this section.*

1. State FOUR essential personal protective equipment donned before cleaning an operation theatre instruments. (4 marks)
2. Identify FOUR ways of identifying faulty instruments and apparatus in theatre. (4 marks)
3. Highlight FOUR guidelines a theatre technician should follow when using instruments with multiple parts. (4 marks)
4. Name FOUR types of records completed and kept in Perioperative theatre. (4 marks)
5. Identify FOUR components of the autoclave a theatre technician should check before steam sterilization. (4 marks)
6. Outline FOUR measures a theatre technician should take on non-functional instruments in a theatre. (4 marks)
7. Name FOUR types of scissors used in theatre. (4 marks)
8. Identify FOUR things that a theatre technician should indicate on the sterilizing tape when labeling a surgical pack for sterilization. (4 marks)
9. Highlight FOUR ways of assessing the sterility of a packed surgical set before using it in theatre. (4 marks)
10. State FOUR guidelines to be adhered to when arranging instruments into sterilizing chambers. (4 marks)

**SECTION B: (60 MARKS)**

*Answer any three questions in this section.*

11. Proper instrument sterilization is key in the provision of health services
- a) Define the following terms (2 marks)
    - i. Sterilization
    - ii. Shelf life
  - b) Explain FOUR factors that determine the shelf-life of sterile items. (8 marks)
  - c) Explain FIVE characteristics of a good packaging material used for packaging instruments for sterilization. (10 marks)
12. Proper maintenance of theatre instruments and apparatus is key in patient care.
- a) State FOUR advantages of proper maintenance of instruments and apparatus. (4 marks)
  - b) Discuss EIGHT general principles of care for theater instruments and apparatus. (16 marks)
13. Proper inspection is key when preparing instruments for sterilization.
- a) Outline FOUR key elements to assess during instrument inspection. (4 marks)
  - b) Discuss EIGHT guidelines to be followed in the packaging of instruments and apparatus for sterilization. (16 marks)
14. Proper waste disposal is key in theatre.
- a) State FOUR benefits of proper waste disposal in theatre. (4 marks)
  - b) Explain EIGHT rules a theatre technician should follow when disposing sharps. (16 marks)