

091206T4PTT

PERIOPERATIVE THEATRE TECHNOLOGY LEVEL 6

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

Maintain Perioperative Theatre Instruments and Apparatus

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 questions in this section.

1. State THREE reasons for use of PPEs (Protective personal Equipment) when handling theatre instruments. (3 marks)
2. Outline THREE measures taken on non-functional instruments in the operating theater. (3 marks)
3. Theatre suites have many protective gears for theatre staff. List TWO protective gears used in theater. (2 marks)
4. Classify THREE medical sterilization methods of theatre instruments. (6 marks)
5. Surgical procedures employ the use of different scissors. Mention THREE types of such scissors in theater. (3 marks)
6. Identify TWO considerations for arranging packs in the sterilizing chambers before the sterilization process begins. (2 marks)
7. State the type of information written on the sterilizing tape when labeling a surgical pack for sterilization. (4 marks)
8. Outline THREE incidents when you should avoid the use of sterilized instruments. (3 marks)
9. Explain TWO unique characteristics of an autoclave tape. (2 marks)
10. Draw and label parts of a mosquito forceps. (6 marks)
11. Outline THREE advantages of proper care and maintenance of theater instruments. (3 marks)
12. Record THREE things to check for while inspecting surgical instruments. (3 marks)

SECTION B: (60 MARKS)

*Answer any **three** questions in this section*

13. Cleaning of used surgical instruments is one method used to maintain surgical instruments in theatre.
- a) Differentiate between manual cleaning and mechanical cleaning of surgical instruments. (4 marks)
 - b) Describe EIGHT steps involved in the manual cleaning of soiled surgical instruments. (16 marks)
14. After careful inspection of surgical instruments, they are assembled into sets in preparation for sterilization.
- a) Discuss SEVEN guidelines followed while assembling the surgical instruments into sets. (14 marks)
 - b) State SIX factors that determine the choice of the sterilization packaging material to be used. (6 marks)
15. Delicate but immiscible, medical devices are reused in theater after high level disinfection using liquid chemical disinfectants. Describe the TEN steps used for high-level disinfection of surgical instruments. (20 marks)
16. Decontamination is one of the methods used to care for theater instruments before they undergo sterilization.
- a) Explain FIVE reasons why decontamination is important in care of theatre instruments. (10 marks)
 - b) Discuss the procedures for decontamination of surgical instruments. (10 marks)

END