

**091206T4PTT**

**PERIOPERATIVE THEATER TECHNOLOGY LEVEL 6**

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

**Prevent Nosocomial Infections**

**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. Define the following terms. (2 marks)
  - a) Cleaning
  - b) Disinfection
2. You are receiving a patient from the surgical ward and you are required to confirm if he or she is the right patient using the file. Identify FIVE pre-operative requirements in the file. (5 marks)
3. Highlight TWO reasons why it is important to segregate hospital waste before disposal. (4 marks)
4. After decontamination it's important to inspect the instruments before packaging. Outline FIVE aspects that should be inspected in instruments and apparatus. (5 marks)
5. State FIVE principles of basic aseptic techniques you should employ in an operating room. (5 marks)
6. Mention FOUR considerations when selecting patient position for surgery. (4 marks)
7. Identify FOUR types of gloves used in the hospital. (4 marks)
8. You are asked to assemble instrument for sterilization. State FOUR methods you will use for sterilization the instrument. (4 marks)
9. Differentiate between pharmaceutical and pathological waste. (4 marks)
10. Sterility of surgical instruments is central to prevention of surgical site infection. Categorize THREE surgical instruments and their function. (3 marks)

**SECTION B: (60 MARKS)**

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

11. When working as a theater technician, one of your roles is to decontaminate instruments.
- a) Explain the meaning of the term decontamination. (2 marks)
  - b) Describe the SIX steps in manual instrument decontamination after a surgical procedure. (18 marks)
12. You are a perioperative theatre technologist on duty and you are allocated to give a health education on standard precaution and effective use of personal protective equipment's to a group of students in theatre.
- a) State THREE individuals who should use personal protective equipment. (3 marks)
  - b) Highlight THREE types of hand hygiene. (3 marks)
  - c) Discuss SEVEN principles applied during personal protective equipment use. (14 marks)
13. Nosocomial infections can be caused by several microorganisms in the hospital if prevention measures are not strictly followed.
- a) Mention TWO organism that can cause nosocomial infections. (2 marks)
  - b) Using the infectious cycle, explain how you would break the chain of nosocomial infections in the operating theater. (18 marks)
14. The effectiveness of sterilization of instrument sets depends on the quality of the packaging material. Discuss FIVE characteristics of an ideal packaging material. (20 marks)

**END**