

073205T4CPJ

CARPENTRY AND JOINERY LEVEL 5

CON/OS/CAJ/CC/04/5/A

Execute Temporary Works

July/August 2024



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

WRITTEN ASSESSMENT

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATES

1. This paper has two sections **A** and **B**.
2. Attempt questions in each section as per instructions given.
3. You are provided with a separate answer booklet.
4. Marks for each question are indicated in the brackets.
5. Do not write on the question paper.

This paper consists of THREE (3) printed pages

**Candidates should check the question paper to ascertain that all pages
are printed as indicated.**

SECTION A. SHORT ANSWER QUESTIONS (40 MARKS)

(Attempt ALL questions in this section)

1. There are different types of scaffolds used in construction works. As a carpenter, distinguish between dependent and independent scaffolds. (4Marks)
2. When performing carpentry works, we have to ensure safety. Identify any FOUR personal protective equipment essential when executing temporary works. (4 Marks)
3. Different materials are used to construct temporary works. Other than timber, highlight any THREE materials used in the assembly of shores in a construction site. (3 Marks)
4. It is vital to ensure security is enforced in a construction site. Identify FOUR reasons why security is important. (4 Marks)
5. There are various types of formworks used in construction works. Identify any THREE. (3 Marks)
6. Define the following terms as used in temporary works. (4 Marks)
 - i. Shoring
 - ii. Shuttering
7. Before construction begins, preliminary activities have to be conducted. Outline any FOUR activities carried out. (4 Marks)
8. Levelling is an important step during construction. outline THREE main objectives of levelling. (3 Marks)
9. As a carpenter, you are required to interpret drawings used in construction. Identify FOUR types of construction drawings that a construction project might need. (4 Marks)
10. Temporary works are dismantled after achieving the desired outcome. Outline THREE factors to consider before and during the dismantling. (3 Marks)
11. Safety is important to ensure a good working environment. Highlight any FOUR safe working habits that you should adhere to in a carpentry workshop. (4 Marks)

SECTION B. EXTENDED RESPONSE QUESTIONS (60 MARKS)

(Attempt any THREE questions in this section)

12. a) Site services are essential and ease the process of construction. Explain FOUR site services that should be provided in a construction site during preliminary siteworks. (8 Marks)
- b) Using a labelled sketch, describe stay bracing as used in timbering. (12 Marks)
13. a) Formwork is a common temporary work used during laying of concrete. Outline FIVE factors to consider when designing quality formwork. (10 Marks)
- b) There are several types of scaffolds used in construction projects. Describe any FIVE of them. (10 Marks)
14. a) As a carpenter, you have been tasked to prepare a cutting list for a formwork to be used at a construction site. Explain FIVE reasons for purchase of shuttering oil to be used on a concrete formwork. (10 Marks)
- b) The 3-4-5 method is commonly used during setting out of buildings. Describe step-by-step how it is done. (10 Marks)
15. a) Define the term timbering as used in temporary works. (2 Marks)
- b) Explain THREE reasons why we do timbering in temporary works (6 Marks)
- c) Levelling should be done to enhance the structural integrity of a structure. Describe the procedure of site levelling in preparation of a building project.
- d) Identify SIX advantages of using timber formwork. (6 Marks)