

073206T4BLD

BUILDING TECHNOLOGY LEVEL 6

CON/OS/BUT/CR/09/6

Install Building Doors and Windows

November/December 2025



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

WRITTEN ASSESSMENT

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATE

1. This paper consists of **TWO** sections: **A** and **B**.
2. Answer **ALL** questions in section A and **ANY THREE** (3) questions in section B.
3. Marks for each question are indicated in the brackets.
4. Candidates are provided with a separate answer booklet
5. Do not write on the question paper.

This paper consists of THREE (3) 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. Schedules are prepared to organize building work. Outline THREE purposes of preparing a window and door schedule. (3 Marks)
2. Accurate schedules ensure smooth procurement. List FOUR components to include when preparing a window and door schedule. (4 Marks)
3. Door fabrication should adhere to specifications. State THREE factors considered during fabrication of doors. (3 Marks)
4. Ordering ensures timely delivery of windows. Outline TWO steps followed when ordering windows. (2 Marks)
5. Some metal fittings and hardware are used in building construction. Give THREE examples of ironmongery used in door fixing. (3 Marks)
6. Ironmongery serves an important roles in doors and windows. Highlight FOUR defects that may occur in ironmongery. (4 Marks)
7. Different finishing methods offer varied qualities. Differentiate between varnishing, and polishing as methods of finishing doors and windows. (4 Marks)
8. Glazing allows light into the room. Identify THREE methods used for fixing glazing in doors and windows. (3 Marks)
9. Paint is a type of surface finish. State FOUR factors to consider when painting doors and windows. (4 Marks)
10. Inspection after fixing ensures functionality. Mention TWO checks performed after fixing doors and windows. (2 Marks)
11. All doors and windows surroundings are plastered. Highlight FOUR reasons for plastering around door openings. (4 Marks)
12. Quality checks are done after door and window fabrication. Highlight FOUR aspects that are inspected during such checks. (4 Marks)

SECTION B (60 MARKS)

Answer any THREE questions in this section

13. You have been assigned to prepare the door and window schedules for a new classroom block in a secondary school.
- a. Explain FIVE steps you would take to prepare the door and window schedule. (10 Marks)
 - b. Describe FIVE challenges you may encounter while preparing a door and window schedule. (10 Marks)
14. A new hostel block is under construction to accommodate students. The project scope includes fabrication and installation of different types of doors and windows to suit various room layouts.
- a. Explain FIVE steps involved in fabricating doors and windows. (10 Marks)
 - b. Discuss FIVE ways to ensure doors and windows are delivered safely to the site. (10 Marks)
15. You have been assigned to fix doors and windows in a new office block with multiple floors.
- a. Outline SIX steps you would follow when fixing doors and windows. (6 Marks)
 - b. Discuss THREE reasons why proper alignment is important during fixing. (6 Marks)
 - c. Describe any FOUR types of doors based on their method of opening. (8 Marks)
16. Mr. Kamau, the site supervisor, has instructed that finishes be applied to both the timber and metal doors and windows in a newly constructed classroom block.
- a. Explain FIVE factors to consider when choosing a window or door finish. (10 Marks)
 - b. Discuss FIVE precautions to take when applying finishes to doors and windows. (10 Marks)