

073205T4BLD

BUILDING TECHNICIAN LEVEL 5

CON/OS/BUT /CR/01/5

Perform construction site preliminary works

July /August 2025



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

**WRITTEN ASSESSMENT**

**Time: 3 HOURS**



**INSTRUCTIONS TO CANDIDATE:**

1. Marks for each question are indicated in the brackets.
2. The paper consists of **TWO** sections: **A** and **B**.
3. Candidates are provided with a separate answer booklet
4. **DO NOT** write on this 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 and that no questions are missing.**

**SECTION A (40 MARKS)***Answer ALL the questions in this section.*

1. Proper planning and hazard assessments can prevent accidents and save lives. State any other FOUR precautions when doing preliminary works. (4 Marks)
2. You are tasked to carry out site clearance during a practical lesson. Define the following terms as used in site preliminary works. (4 Marks)
  - a. Grubbing
  - b. Demolition
  - c. site stripping
  - d. Site clearance
3. Hoarding in construction refers to a temporary structure that is erected around a building. Outline any FOUR reasons why it should be done on a construction site. (4 Marks)
4. You are tasked to carry out fencing, state FOUR materials that you will use. (4 Marks)
5. Delays in project completion is one of the consequences associated with neglecting the local authority regulations during the construction of access roads. List FOUR other potential consequences. (4 Marks)
6. Gas line is one of the services installed on site. Outline FOUR other key services that are needed on a construction site. (4 Marks)
7. You are a junior supervisor on a construction site foreseeing installation of services. Discuss FOUR factors that determine the specific requirements for installing key services on a construction site. (4 Marks)
8. Installation of services on site might be affected with extreme weather conditions. List other FOUR potential challenges associated with installation of services on site. (4 Marks)
9. Wastes on construction sites may interfere with site activities. Name any FOUR wastes that may be found on construction site (4 Marks)
10. Setting out is the process of transferring building designs from plans onto the actual ground where construction will take place. List FOUR methods of setting out a building. (4 Marks)



**SECTION B (60 MARKS)**

*Answer Any THREE Questions in This Section*

11. A proposed residential development is being planned on a site with existing hutments. The development requires the installation of essential services and the creation of an access road.
- a. Outline FIVE considerations involved in positioning the site hutments. (5 Marks)
  - b. Explain FIVE ways in which the placement of these temporary structures can affect the efficiency and safety of the construction process. (10 Marks)
  - c. Outline the process of creating an access road adhering to both the site layout and local authority provisions. (5 Marks)
12. You are the lead surveyor responsible for the initial site setting-out and positioning of the structural elements.
- a. Identify and describe any FIVE key tools and equipment used for setting out a building site. (10 Marks)
  - b. Outline the process of positioning the building structure on the site based on the site plan. (5 Marks)
  - c. Highlight FIVE importance of accuracy, in positioning the building structure (5 Marks)
13. You are a junior architect assigned to a residential development project. Your initial task is to review and interpret the building drawings and site plans to ensure accurate site layout and construction.
- a. Identify the FIVE key components of building drawings. (5 Marks)
  - b. Discuss FIVE ways in which the site plan informs the overall construction process. (5 Marks)
  - c. Identify FIVE ways in which a site plan can be interpreted effectively. (5 Marks)
  - d. Discuss FIVE importance of accurately locating the building as per the drawings. (5 Marks)
14. You are a site supervisor for a construction company tasked with preparing a site for the construction of a new commercial building in a busy urban area and ensure the site is secured and safe for both workers and the public.
- a. Explain THREE importance of site fencing in construction projects, particularly in relation to current building standards and regulations. (6 Marks)



- b. Outline FOUR potential consequences of not fencing a construction site according to building standards. (4 Marks)
- c. Explain how hoarding differs from fencing. (4 Marks)
- d. Discuss THREE factors that influence the selection of hoarding and fencing materials. (6 Marks)

