

073206T4BLD

BUILDING TECHNOLOGY LEVEL 6

CON/OS/BUT/CR/04/6/A

Manage Construction Materials, Plant, Tools and Equipment

March/April 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. Site storage facilities are important for organizing and protecting materials during a construction project. State TWO types of site storage facilities commonly used in construction. (2 Marks)
2. Several factors need to be considered when setting up storage facilities on a construction site. List THREE factors to consider when setting up site storage facilities. (3 Marks)
3. A building material schedule is prepared before the onset of a project. Outline FOUR significances of a building material schedule. (4 Marks)
4. An equipment schedule is used to manage and organize machinery for a construction project. Identify THREE items included in an equipment schedule for a construction project. (3 Marks)
5. When selecting suppliers for building materials, several factors influence the decision-making process. Mention FOUR key considerations when identifying suppliers for building materials. (4 Marks)
6. The receiving process for building materials on-site can face several challenges that need to be addressed. State THREE challenges faced during the receiving of building materials on-site. (3 Marks)
7. Excavation plant is required for various types of excavation work on construction sites. List FOUR types of excavation plant commonly used on construction sites. (4 Marks)
8. Recording received materials on-site is a common practice in the construction process. Outline FOUR importance of recording received building materials on-site. (4 Marks)
9. Lifting plant is used to move materials and equipment at construction sites. Identify THREE types of lifting plant used in construction. (3 Marks)
10. Issuing materials and equipment on-site plays a crucial role during construction. Mention FOUR purposes of issuing site materials and equipment. (4 Marks)
11. Transporting plant is a type of plant in most of the construction sites. Mention THREE types of transporting plant used on construction sites. (3 Marks)
12. Excavation plant serves different purposes during excavation work on construction sites. State THREE roles of excavation plant in construction. (3 Marks)



**SECTION B (60 MARKS)**

**Question 13 is Compulsory and Answer Any Other TWO Questions in This Section.**

13. A construction company has hired you as their procurement officer. You are in charge of procurement of construction materials and equipment which the company will be using in their construction works.
- a) Explain FOUR methods you would use to procure the construction materials and equipment for the company. (8 Marks)
  - b) Describe the procurement process you would use in the procurement of a bulldozer. (8 Marks)
  - c) Discuss TWO challenges you expect to face while carrying out the procurement duties. (4 Marks)
14. You are a project manager for a construction company tasked with building a warehouse in your home county.
- a) Explain FIVE factors you would consider when selecting plant for the project. (10 Marks)
  - b) Discuss FIVE safety considerations you would emphasize to be adhered to by the lifting equipment operators for the project. (10 Marks)
15. A construction company is undertaking a large commercial building project. The storage of materials on-site has been identified as a key challenge due to space limitations and varying weather conditions
- a) Discuss FOUR impacts of improper storage of construction materials on the project. (8 Marks)
  - b) Outline FOUR risks the company would face for failing to create a comprehensive building material schedule before the start of the project. (4 Marks)
  - c) Explain FOUR key considerations which the company should consider when establishing site storage facilities for its construction materials. (8 Marks)
16. In the development of a multi-story office building, the process of supplier selection and issuance of construction materials requires careful management.
- a) Explain the procedure of issuing construction materials on site. (10 Marks)
  - b) Discuss FIVE impacts of poor supplier selection on the construction process. (10 Marks)

