

073204T4MSN

MASONRY LEVEL 4

CON/OS/MA/CC/02/4/A

Interpret and Draw Simple Working Drawings.

Nov/Dec 2024



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

WRITTEN ASSESSMENT

Time: 2 HOURS

INSTRUCTIONS TO CANDIDATE

1. This paper consists of two sections; **A** and **B**
2. Answer **ALL** the question as guided in each section
3. Marks for each question are as indicated in the brackets
4. You are provided with a separate answer booklet to answer the questions
5. Do not write in this question paper

This paper consists of FOUR (4) 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 (10 MARKS)

(Answer all questions in this section. Each question carries one mark)

1. Engineering drawings should be drawn on recommended papers. Which size of drawing paper is not suitable for drawing. (1 Mark)
 - A. A3
 - B. A2
 - C. A4
 - D. A5
2. A set square can be used to set out the following angles except? (1 Mark)
 - A. 40
 - B. 60
 - C. 45
 - D. 30
3. Which one of the following is not a drawing instrument? (1 Mark)
 - A. Drawing paper
 - B. Drawing set
 - C. French curve
 - D. Pencil
4. _____ is contained in the title block. (1 Mark)
 - A. Name, Admission number, Scale
 - B. Dimensions, Scale, Date
 - C. Units, Scale, dimensions
 - D. Name, Admission number, Units.
5. What is the size of drawing paper border lines. (1 Mark)
 - A. 10MM
 - B. 100MM
 - C. 20MM
 - D. 200MM

6. What is the purpose of scale in drawing. (1 Mark)
- A. To minimize the size of an object to fit on paper.
 - B. To increase accuracy of drawing.
 - C. To save time
 - D. To save drawing materials.
7. _____ is not an isometric drawing. (1 Mark)
- A. Cylindrical
 - B. Square
 - C. Cuboid
 - D. Cube
8. A compass is used for _____. (1 Mark)
- A. Drawing lines and circles
 - B. Drawing arcs and angles
 - C. Drawing angles and lines
 - D. Drawing circles and arcs
9. Which element is used to represent objects in a building. (1 Mark)
- A. Symbols
 - B. photos
 - C. Paint
 - D. Lines
10. _____ is used for holding drawing paper on the drawing board. (1 Mark)
- A. Pin nails
 - B. Masking tape
 - C. Wood glue
 - D. Silicon

SECTION B (40 MARKS)

(Answer ALL questions in this section)

11. Technical drawing instruments need to be handled appropriately to ensure accurate drawing. List FOUR precautions to be observed when handling a T-square. (4 Marks)
12. Outline FOUR types of lines used in technical drawings. (4 Marks)
13. Sketch the tools and equipment given below. (4 Marks)
 - a. T-Square
 - b. 45° Set square
14. During construction of angles different tools and equipment can be used. Construct an angle of 45° using ruler and compass only. (4 Marks)
15. Using sketches, Differentiate between first and third angle projection. (4 Marks)
16. List THREE elements of architectural drawing. (3 Marks)
17. Use free hand sketch to draw the following masonry tools. (4 Marks)
 - a. Straight edge
 - b. Try square
18. Give the paper size dimensions of the listed paper sizes. (3 Marks)
 - a. A0
 - b. A2
 - c. A4
19. During trench excavations, various measurements are involved. Identify THREE dimensions. (3 Marks)
20. Highlight FOUR purposes of building drawings during construction. (4 Marks)
21. Construct an equilateral triangle with sides 60mm long. (3 Marks)

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