

073204T4MSN

MASONRY LEVEL 4

CON/OS/MA/CC /0.2/4

Interpret and Draw Simple Working Drawing

November/December 2025

Printed By: Technical And Vocational College  
Date: 19.11.2025 10:57 AM



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

**WRITTEN ASSESSMENT**

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**TIME: 2 HOURS**

**INSTRUCTIONS TO CANDIDATE**

1. This paper has **TWO** sections **A** and **B**.
2. Attempt questions in each section
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

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

*Attempt all questions in this section. Each question carries one mark*

1. The following are n construct using a T-square, a pair of compasses and Set

Square except?

(1 Mark)

A.  $30^\circ$ .

B.  $45^\circ$ .

C.  $40^\circ$

D.  $60^\circ$

2. A Straight line cutting a circle in to two unequal parts is called a \_\_\_\_\_ (1 Mark)

A. Chord.

B. Radius.

C. Tangent.

D. segment

3. Measurements ensures consistency and accuracy. Select the measurements used in engineering drawing. (1 Mark)

A. Unit's.

B. linear.

C. Kilograms.

D. Newton's

4. When converting an orthographic projection (plan and elevation) to an isometric view, which dimension of the object is typically shown in the elevation? (1 Mark)

A.

B. Width and height.

C. Width and length.

D. Depth and height.

5. Which tool is most common to create the 45-degree angles required for orthographic projection? (1 Mark)

A. Protractor.

B. A T-square and a 45-degree triangle.

C. A T-square and a 30-60-90-degree set square.

D. A compass.

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6. The following are used for sectional views and breaks except? (1 Mark)

A. Cutting plane lines.

B. Section lines. (H

C. Straight line. Date: 19.11.2025 10:57 AM

D. Break lines.

7. When reading a drawing with a scale of 1:40, how many millimeters on the drawing represent 1 meter in real life? (1 Mark)

A. 40 mm.

B. 25 mm.

C. 100 mm.

D. 10 mm.

8. Which type of drawing would you use to find the length of a specific opening in a hoarding wall? (1 Mark)

A. A plan view.

B. An elevation view.

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 C. A site plan.

D. A floor plan.

9. Reducing scales is a common practice used when drawing. \_\_\_\_\_ is the true definition of reducing scale from the statements below. (1 Mark)

A. A scale that enlarges objects to their actual size.

B. A Scale that maintains objects at their actual size.

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 C. A scale that reduces objects to a smaller size while preserving proportions.

D. A scale that distorts objects without changing their

10. Why do we clean drawing instruments before any other activity? (1 Mark)

A. To look good.

B. To have clean and neat work. Printed By: Bun Technical And Vocational College Date: 19.11.2025 10:57 AM

C. To look beautiful

D. To look ugly

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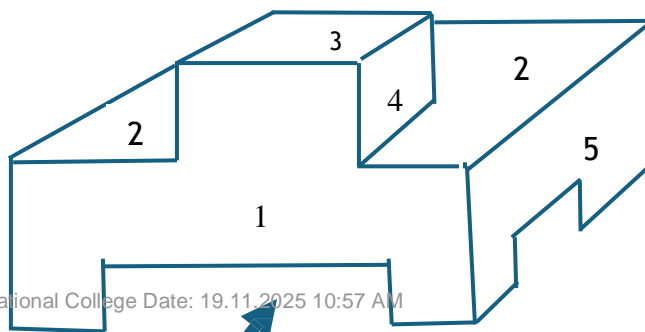
## SECTION B (40 MARKS)

*Attempt all the questions in this section*

11. Using a T-square, a set square and Set Square construct a regular hexagon of side 40 mm. (7marks).

12. Technical drawing instruments need to be handled appropriately to ensure accurate Drawing. List FOUR precautions to be observed when handling a compass. (4marks)

13. Using first angle orthographic projection sketch plan, front elevation and end elevation of the following drawing. Front elevation from the direction of the arrow. (8 marks)



14. Construct an equilateral triangle of sides 50mm and inscribe a circle and measure its diameter. (6 marks)

15. Sketch the tools and equipment given below. (4 Marks)

a). T-Square & 30°, 60° & 90° Set square

16. List four drawing paper. (3marks)

17. Using third angle orthographic projection sketch plan, front elevation and end elevation of the following drawing. Front elevation from the direction of the arrow. (8 marks)

