

MASONRY LEVEL 4

CON/OS/MA/CC_P/0.2/4 By: Technical And Vocational College

Interpret and Draw Simple Working Drawing

November/December 2025

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



Technical And Vocational College Date: 19.11.2025

10:57 AM

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

WRITTEN ASSESSMENT

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

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
Printed Technical And Vocational College
4. Marks for each question are indicated in the brackets.
5. Do not write on the question paper

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

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

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

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

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? 19.11.2025 10:57 AM

(1 Mark)

A. 30^0 .

B. 45^0 .

Printed By: Technical And Vocational College

C. 40^0 Date: 19.11.2025 10:57 AM

D. 60^0

Printed By Technical And Vocational College

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)

Printed By: Technical And Vocational College Date:

19.11.2025 10:57 AM

B. linear.

C. Kilograms.

D. Newton's

Printed By: Technical And Vocational College

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)

Printed By: Technical And Vocational College Date:

19.11.2025 10:57 AM

B. Width and height.

C. Width and length.

D. Depth and height.

Printed Technical And Vocational College Date: 19.11.2025 10:57

AM

5. Which tool is most commonly used to create the 45-degree angles required for

orthographic projection? 19.11.2025 10:57 AM

(1 Mark)

A. Protractor.

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

Printed By: Technical And Vocational College

Date: 19.11.2025 10:57 AM

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

D. A compass.

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

- A. Cutting plane lines.
- B. Section lines (H)
- C. Straight line.
- D. Break lines.

7. When reading a drawing with a scale of 1:40, how many millimeters on the drawing

Printed By: Technical And Vocational College

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.

Printed By: Technical And Vocational College Date: 19.11.2025
site plan. C. A

- 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.

Printed By: Technical And Vocational College

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

- D. A scale that distorts objects without changing them.

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

- A. To look good.
- B. To have clean and neat work.
- C. To look beautiful
- D. To look ugly

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

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. Date: 19.11.2025 10:57 AM

(7marks).

12. Technical drawing instruments needs to be handled appropriate 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.

Technical And Vocational College

Date: 19.11.2025 10:57 AM

(8 marks)

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

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

Printed By Technical And Vocational College (6 marks)

15.

Sketch the tools and equipment given below . Date: 19.11.2025 10:57 AM

(4 Marks)

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

Printed By: And Vocational College

Date: 19.11.2025 10:57 AM

(3marks)

16. List rawn in a drawing ppr

Date: 19.11.2025 10:57 AM

17. Using third angle orthographic projection sketch plan, elevation and end elevation

of the following drawing. Front elevation from the direction of the arrow.

(8 marks)

Printed Byh Technical And Vocational College

Date: 19.11.2025 10:57 AM

