

**Roll No:**

**Section A**

9 marks (9 questions of 1 mark each)

1. If a point lie in third quadrant then Top view is \_\_\_\_\_(above / below) reference line.
2. If top view lie on the reference line and front view lie above reference line then point lie on \_\_\_\_\_  
( H.P/ V.P).
3. State the type of line shown below.



4. State the use of centre line in engineering drawing.

Ans.

5. What do you mean by projection?

Ans.

6. If line is parallel to H.P and V.P. then angle made by line from profile plane.

Ans.

7. A line is perpendicular to H.P. the angle made by line from profile plane.

Ans.

8. A line is parallel to profile plane and parallel to H.P. the front view is a \_\_\_\_\_ (line parallel to Refrence line/ line perpendicular to refrence line / point)

Ans.

9. A line is parallel to profile plane and parallel to H.P. the top view is a \_\_\_\_\_ (line parallel to Refrence line/ line perpendicular to refrence line / point)

Ans.

**Engineering Drawing (TCA-S101)**

**Semester: 2022-23 (Odd Semester)**

**Year: 1<sup>st</sup> Year (2K22)**

**Mid Semester Examination (1)**

**Time: 1.5 h**

**Maximum marks: 30**

All questions are compulsory

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**Section B**

9 marks (3 questions of 3 marks each)

1. A line AB, 75 mm long, is inclined at  $45^{\circ}$  to the H.P. and  $30^{\circ}$  to the V.P. Its end B is in the H.P. and 40 mm in front of the V.P. Draw its projections.
2. A line AB, 65 mm long, has its end A 20 mm above the H.P. and 25 mm in front of the V.P. The end B is 40 mm above the H.P. and 65 mm in front of the V.P. Draw the projections of AB and show its inclinations with the H.P. and the V.P.
3. A line AB, 90 mm long is inclined at  $45^{\circ}$  to the H.P. and its top view makes an angle of  $60^{\circ}$  with the V.P. The end A is in the H.P. and 12 mm in front of the V.P. Draw its front view and find its true inclination with the V.P.

**Section C**

12 marks (2 questions of 6 marks each,)

1. The top view of line AB measures 60 mm and inclined to reference line at  $60^{\circ}$ . The end point A is 15 mm above the H.P. and 30 mm in front of the V.P. Draw the projections of the line when it is inclined at  $45^{\circ}$  to the H.P. and is situated in the first quadrant. Find true length and inclination of the line with the V.P.
2. The top view of a 75 mm long line CD measures 50 mm, C is 50 mm in front of the V.P. and 15 mm below the H.P. The distance between the end projectors is 75 mm. Draw the projections of AB and determine its true length and inclinations with the two planes.