9 marks (9 questions of 1 mark each)

1. If top view of line lie above reference line then point lie in _____ (first and third quad, second and third quad, third and fourth quad).

2. If line AB is lie in V.P. then top view is _____ (parallel to reference line/ lie in reference line/ a point)

3. If line AB is 20 mm is parallel to VP and inclined 30^0 to HP then front view length is _____.

4. Draw the first angle projection symbol.

5. If line is parallel to profile plane the top view is _____ (parallel to Reference line/ perpendicular to Reference line/point)

6. If line is parallel to H.P the top view length is equal to _____(true length/longer then true length/shorter than true length)

7. What do you mean byorthographic projection?

Ans

8. Scale 1: 2 means:

9. Scale 2:1 means:

DEPARTMENT OF MECHANICAL ENGINEERING
UNIVERSITY INSTITUTE OF ENGINEERINGAND TECHNOLOGY, CSJM UNIVERSITY, KANPUR

Engineering Drawing (TCA-S101)

Semester: 2022-23 (Odd Semester)   **Year: 1st Year (2K22)**

Mid Semester Examination (1)

Time: 1.5 h   **Maximum marks: 30**

All questions are compulsory

Section B

9 marks (3 questions of 3 marks each)

1. A line AB, 50 mm long, is inclined at 30^0 to the H.P. and 45^0 to the V.P. Its end B is in the V.P. and 10 mm above H.P. Draw its projections.

2. A line AB, 50 mm long, has its end A in both the H.P. and the V.P. It is inclined at 30^0 to the H.P. and at 45^0 to the V.P. Draw its projections.

3. A line PQ 100 mm long, is inclined at 30^0 to the H.P. and at 45^0 to the V.P. Its mid point is in the V.P. and 20 mm above the H.P. Draw its projections.

Section C

12 marks (2 questions of 6 marks each,)

1. A line AB, 90 mm long, is inclined at 30^0 to the H.P. Its end A is 12 mm above the H.P. and 20 mm in front of the V.P. Its front view measures 65 mm. Draw the top view of AB and determine its inclination with the V.P.

2. The front view of straight line AB is 60 mm long and is inclined at 60^0 to the reference line xy. The end point A is 15 mm above H.P. and 20 mm infront of V.P. Draw the projections of a line AB if it is inclined at 45^0 to the V.P. and is situated in the first quadrant. Determine its true length, and inclination with the H.P.