Roll No:

10 marks (10 questions of 1 mark each)

1. If top view of point lie below 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 centre line.
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 V.P the front view length is equal to _____(true length/longer then true length/shorter than true length)
7. What do you mean by orthographic projection?
Ans

8. Draw the hidden line.

9. Scale 2:1 means:

10. What is isometric scale.

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)**

End Semester Examination

Time: 3 h **Maximum marks: 50**

All questions are compulsory

Section B

20 marks (5 questions of 4 marks each)

1. A line AB, 50 mm long, is inclined at 45^0 to the H.P. and 30^0 to the V.P. Its end B is in the V.P. and 20 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 60^0 to the H.P. and at 30^0 to the V.P. Draw its projections.

3. A line PQ 100 mm long, is inclined at 60^0 to the H.P. and at 30^0 to the V.P. Its mid point is in the V.P. and 20 mm above the H.P. Draw its projections.

4. Draw isometric view of cube of side 25 mm.

5. Draw isometric view of cylinder of radius 2.5 cm and height 7 cm.

Section C

20 marks (2 questions of 10 marks each,)

1. A line AB, 90 mm long, is inclined at 60^0 to the H.P. Its end A is 10 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. A 70 mm long line PQ has its end P 20 mm above the H.P. and 40 mm in front of the V.P. The other end Q is 60 mm above the H.P. and 10 mm infront of the V.P. Draw the projection of PQ and determine its inclination with the reference planes.