



B.Tech I Semester Supplementary Examinations, June 2024

Engineering Graphics
(Common to CE,ME,EEE & IT)

Maximum Marks: 70

Date:03.07.2024 Duration: 3 hours

- Note: 1. This question paper contains two parts A and B.
2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
3. Part B consists of 5 Units. Answer any one full question from each unit.
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks		(5X14M=70 Marks)	CO	Bloom Tx
1	A fixed point is at a distance of 55mm from fixed straight line. Name the curve, Trace the path of the curve if e =1. [14M]		1	L4
OR				
2	A Fixed point is at a distance of 50mm from fixed straight line. Trace the path of the curve if e =3/2. Draw tangent and normal to it at a dist. of 40mm from directrix. [14M]		1	L4
3	A line AB 100mm long has its front view inclined at an angle of 45° to XY. The point A is in the VP and 25mm above the HP. The length of the front view is 60mm. Draw The top view of the line and measure its length also find its inclination of AB with HP and VP. [14M]		2	L4
OR				
4	Draw the projections of a circular plane with a 50mm diameter, resting on a point A on its circumference in the HP such that its surface is inclined at 30° to VP and inclined to HP at 45° draw its projections. [14M]		2	L4
5	A cone of diameter 60mm and height 60mm is resting on the H.P. on one of its generators. Draw its projections if its axis is parallel to the V.P. [14M]		3	L4
OR				
6	A hexagonal pyramid of base side 30mm axis length 60mm, rests on one of its base corners on the HP with axis inclined at 45° to the H.P. Draw its projections when a vertical plane containing the axis and the corner that lies in the H.P is inclined at 30° to the V.P. [14M]		3	L4
7	A Pentagonal Pyramid of side 30mm axis length 70mm has its axis inclined to HP at 30° and its edge inclined to VP at 45°. Draw its projections. [14M]		4	L4
OR				

