[B19CE1201]

I B. Tech II Semester (R19) Regular Examinations
COMPUTER AIDED ENGINEERING DRAWING
Civil Engineering
MODEL QUESTION PAPER

TIME: 3Hrs. **Max. Marks: 45 M**

Answer **ONE Question** from **EACH UNIT.**
All questions carry equal marks.
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		PART-A	CO	KL	M
		UNIT-I			
1.		Draw the projections of a cube of 25mm long edges resting on the HP on one of its corners with a solid diagonal perpendicular to VP.	1	K3	15
		OR			
2.		A pentagonal pyramid base 25mm side and axis 50mm long has one of its triangular faces in the VP and the edge of the base contained by that face makes an angle of 30^0 with the HP. Draw its projections.	1	K3	15
		UNIT-II			
3.		A hexagonal pyramid, base 30 mm side and axis 75 mm long, resting on its base on HP with two of its edges parallel to VP is cut by two section planes both perpendicular VP. The horizontal section plane cuts the axis at a point 35 mm from the apex. The other plane which makes an angle of 45^0 with the HP also intersects the axis at the same point. Draw the front view, sectional top view and true shape of section.	2	K3	15
		OR			
4.		A cone of base diameter 50 mm and axis 60 mm is resting on its base on the HP. Draw the development of its lateral surface when it is cut by an auxiliary inclined plane inclined at 60^0 to the HP and bisection the axis.	3	K3	15
		UNIT-III			
5.		A cylinder of 75 mm diameter and 125 mm height stands on its base on the grnd. It is penetrated centrally by a cylinder, 50 mm diameter and 125 mm long, whose axis parallel to VP and is, inclined at 30^0 to the HP. Draw the projection showing curves of intersection.	4	K3	15
		OR			
6.		Draw the perspective projection of a rectangular block of 20 mm × 50 mm × 50 mm high when one of its vertical edges is tching the PP. The side containing that edge recedes 30^0 to the right of PP. The observer is standing in front of the edge at a distance of 100 mm and height of observer is 90 mm	5	K3	15