Enroll.	No		
Tanron.	INO.		

SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY

BE - SEMESTER-II • MID SEMESTER-II EXAMINATION - SUMMER 2019

SUBJECT: ENGINEERING GRAPHICS & DESIGN (3110013) (IT/ME/CL/AE)

DAT	ΓE: 25	-04-2019	TIME: 10:30 am to 12:15 pm	TOTAL MARK	(S:40
Instruc	tions:	 All the questions a Figures to the right Assume suitable d 	t indicate full marks.		
Q.1	(a) (b) (c)	A pentagon plate, si	fication of solids. by development of surfaces? Give its application ide 40mm is resting on H.P. on one of its corner and perpendicular to VP. Draw its projection	rs. The plate is	[03] [03] [04]
Q.2	(a)		g its diagonals 100 mm and 50 mm long. Drawer diagonal is inclined at 30° to HP and 30° to VI	1 0	[06]
	(b)	A wheel of diameter	40 mm rolls on a straight horizontal road. Drawiphery of the wheel for one revolution of the	w the locus of a	[05]
	(c)	•	f Pentagon of side 20 mm. OR		[04]
Q.2	(a)	of the set square is a	has its shorter side 50 mm long and it is in HP n isosceles triangle and hypotenuse of the set sq th VP. Draw the projections of the set square.	-	[06]
	(b)	Draw the superior e	epitrochoid generated by the moving point P wolling circle. Rolling circle radius is 30 mm and		[05]
	(c)		ate of circle of 40 mm diameter for one turn.		[04]
Q.3	(a)		of a cone, base 44 mm diameter and axis 50 mm. on a point of its base circle with the axis making with V.P.	· ·	[06]
	(b)	Circle of 50 mm diamed inclined to VP, such	meter is resting on VP on a point of its circumfer that the elevation of it is an ellipse of minor a meter through the point, is making an angle of	xis 25 mm and	[05]
	(c)	Develop only the la	teral surfaces of pentagonal prism resting on landicular to VP. Take edge of the base as 30 mm. OR		[04]
Q.3	(a)	with base on H.P. of section plane making	side of base 30 mm and height 60 mm, is standard side of the base and axis are parallel to V. g an angle of 60° to H.P. and crossing the axis 1 top view, front view and true shape of section.	P. It is cut by	[06]
	(b)	A thin composite padditional semi-circ	plate consists of a square ABCD of 50 mm ele constructed on CD as a diameter. The side A in HP and surface of a plate makes 45° with	B is in the VP	[05]
	(c)	1 0	of lateral surface of a cone of base dia. 40 mm an	d axis 60 mm.	[04]