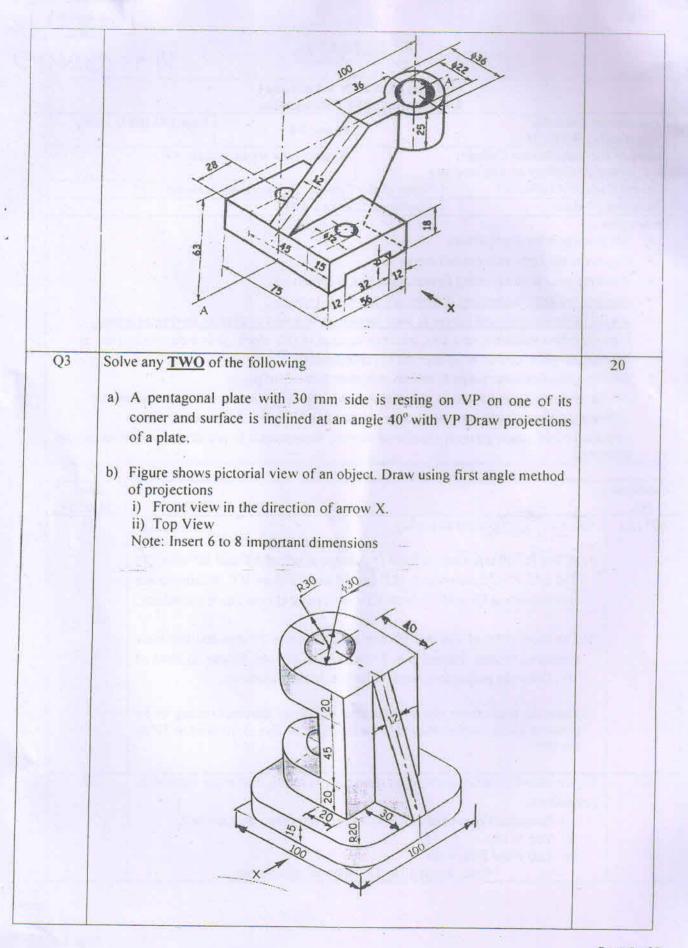


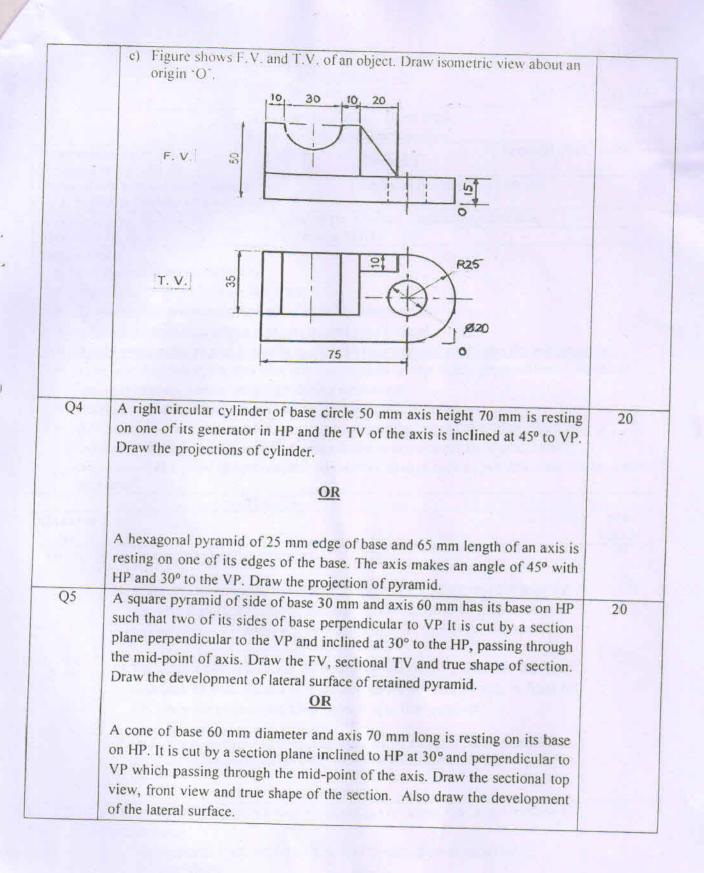
		an 2024 – April 2024 n: ESE Examination		
Programme code: 06 Programme: B.TECH		Class: FY	Sem I/II (SVU 2020)	
Name of the Constituent College: K. J. Somaiya College of Engineering		Name of the De	Name of the Department: All	
Course Code:116U06C105	Name of the Course: Engineering Drawing			
Duration : 3 Hour	Maximum Marks: 100			

Instructions:

- All Questions are Compulsory.
- Figures to the right indicate full marks.
- Illustrate your answers using figures, sketches, diagrams etc.
- Assume suitable dimensions if necessary and state it clearly.
- Avoid using colours and layers in your drawings to avoid problems during printing.
- Line type, line thickness, text size, text font, content of title block, proper dimensions etc. at appropriate place carries weightage during assessment.
- Arrange your drawings properly and on minimum number of pages.
- All the students are requested to save the drawings regularly. In case of any hardware or software problems, extra time will not be allotted to any student for unsaved work. Any kind of electronic gadgets capable of memory storage such as pen drive, mobile etc. are not permitted.

Question No.		Max Marks
Q1 (A)	 a) A line PQ 80 mm long inclined at an angle of 45° to HP and 30° with VP. The end P is 12 mm above H.P and 30 mm in front V.P, determine the inclinations of FV and TV with XY line if point Q is in the first quadrant. b) The front view of line AB 90 mm long measures 75 mm and top view measures 65 mm. Its end B is 25 mm above HP and 10 mm in front of VP. Draw the projections when point B is in first quadrant. c) Draw the projections of a circular plate of 60 mm diameter resting on its point on its circumference in HP such that its surface is inclined at 30° to the HP. 	20
Q2	Figure shows pictorial view of an object. Draw using first angle method of projections, i) Sectional Front view along A-A in the direction of an arrow X; ii) Top View; iii) Left Hand Side View Note: Insert 10 to 12 important dimensions	20







Set-N 14.05.2024(M)

		uary 2024 – May 202 ESE Examination	24	
Programme code: 01 Programme: B.TECH		Class: FY	Sem I/II (SVU 2020)	
Name of the Constituent College: K. J. Somaiya College of Engineering		Name of the Dep	Name of the Department: All	
Course Code: 116U06C105	Name of	Name of the Course: Engineering Drawing		
Duration: 3 Hour	Maximum Marks: 100			

Instructions:

- All Questions are Compulsory.
- Figures to the right indicate full marks.
- Illustrate your answers using figures, sketches, diagrams etc.
- Assume suitable dimensions if necessary and state it clearly.
- Avoid using colours and layers in your drawings to avoid problems during printing.
- Line type, line thickness, text size, text font, content of title block, proper dimensions etc. at appropriate place carries weightage during assessment.
- Arrange your drawings properly and on minimum number of pages.
- All the students are requested to save the drawings regularly. In case of any hardware or software problems, extra time will not be allotted to any student for unsaved work.

Any kind of electronic gadgets capable of memory storage such as pen drive, mobile etc. are not permitted.

Question No.		Max Marks
Q1 (A)	Solve any TWO of the following	- 20
	a) A line AB, 70mm long has its end A 10 mm above the HP and 20 mm in	
6.4	front of the VP. The end B is 45 mm above the HP and 70 mm in front of	
	the VP. Draw the projections of line AB and find its inclination with HP	
	and VP. Assume a complete line in the first quadrant.	
	b) The TV of 100 mm long line AB measures 70 mm while the length of its	
	FV is 85 mm. Its one end A is 15 mm above the HP and 25 mm in front of	
	VP. The other end is in the third quadrant. Draw projections of the line and find its inclination with HP and VP.	
	c) A regular hexagon of 40 mm side has a corner in the HP. Its surface is	
00	inclined at 45° to the HP. Draw its projections.	
Q2	Figure shows pictorial view of Object. Draw using first angle method of projections,	20
	i) Front view in the direction of arrow X;	
	ii) Sectional Top View along plane A-B; iii) Right-Hand Side View.	
	Note: Insert 10 to 12 important dimensions	

