

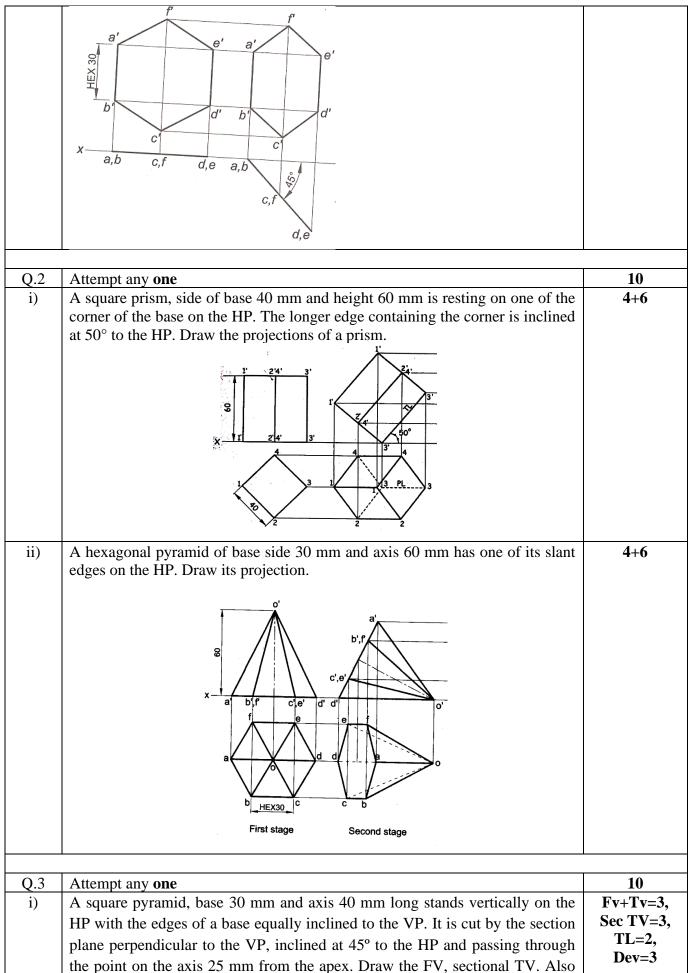
Semester: July 2023 – December 2023						
Maximum Marks: 50 Examination:	Saximum Marks: 50 Examination: End-Semester Examination		Duration: 2 Hrs.			
Programme code: 01		Class: FY	Semester: (SVU 2023)			
Programme: BTech		Class. I'I	Semester: (5 v 0 2023)			
Name of the College: K. J. Somaiya College of Engineering		Name of the department: All				
Course Code: 116U06C105	Name of th	the Course: Engineering Drawing				

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.

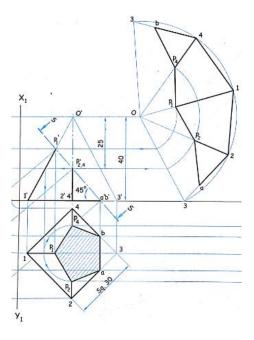
Que. No.	Question Statement	Max. Marks
Q.1	Attempt any one	10
i)	The FV of a line AB is 60 mm long and is inclined at 60° to the XY line. The end point A is 12 mm above the HP and 25 mm in front of the VP. Draw the projections of line if it is inclined at 45° to the HP and is in the first quadrant. Find the true length and true inclinations of a line with the VP.	Dim=2 Angle =2 Construction =6
ii)	A Hexagonal plane of 30 mm side has an edge in the VP. The surface of the plane is inclined at 45° to the VP. Draw its projection.	4+6





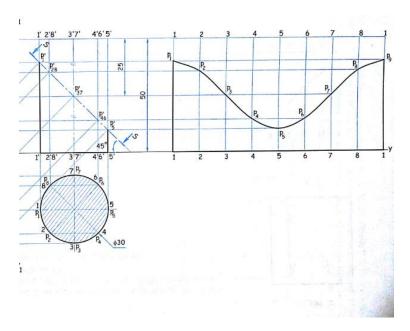


draw the development of lateral surface assuming apex part to be removed.



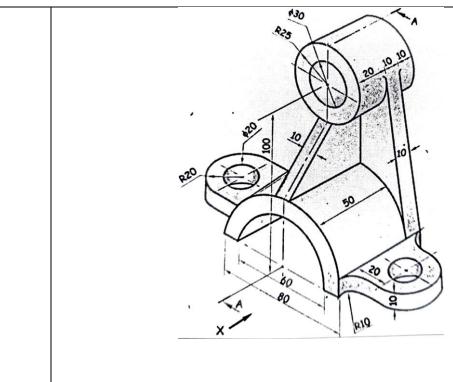
ii) A cylinder, 30 mm diameter and 50 mm long stands vertically on its circular base. It is cut by an AIP inclined at 45° to the HP which bisects an axis of a cylinder. Draw the sectional top view and front view. Also draw the development of lateral surface of truncated cylinder.

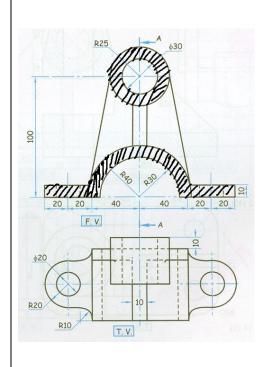
FV+TV=3, Sec TV=3, Deve=4

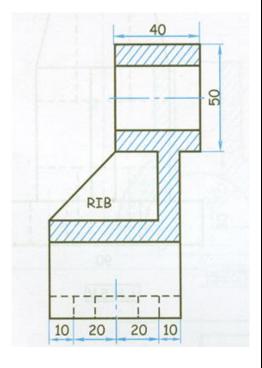


Q.4	Attempt the following	10
	Draw sectional FV along A-A and TV	6+4
	Insert important dimensions	
	Insert important dimensions	









Q.5	Attempt the following	10
	Draw an isometric view of given object with respect to origin 'O'	
		O-1 Marks+9
		Marks



