

Day & Date: *Friday 28/11/2025*Time: *1:00 To 2:15*

Max Marks- 25

Enroll No

Q.P. Code

*UT 3492***Instructions:** 1) All questions are compulsory.

2) Figures in rounded () brackets within the question, indicate the scheme of marking for respective part of the question, whereas, figures in the first right column indicate total marks for that whole question.

3) CO is the index number of the Course Outcome statement.

4) The Bloom's taxonomy level (BL) for 1,2,3,4,5 and 6 is remember, understand, apply, analyze, evaluate and create respectively.

5) Assume suitable data if necessary.

6) Use of non-programmable calculators is allowed

		Marks	BT Level	COs
Q.1 A	A square prism edge of base 40 mm and height 60 mm is resting on VP on one of its base edge which makes an angle 60° with HP. The axis is inclined at an angle of 50° with VP. Draw the projection of prism.	13	4	1

OR

A pentagonal pyramid of base edge 35 mm and axis height 60 mm is resting on one of its triangular faces on HP. The edge of base contained by that face make an angle 55° with VP. The apex is towards observer. Draw the projection of pyramid.

Q.2 A	A square pyramid with base 50 mm and axis height 65 mm is resting on HP with one of its base edge is perpendicular to VP. It is cut by a section plane perpendicular to VP and inclined at an angle of 45° with HP. The section plane is passing through a point on axis which is 30mm from the apex. Draw true shape of the section.	12	4	2
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