

Model Question Paper-I/II with effect from 2021 (CBCS Scheme)

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**First/Second Semester BE Degree Examination
Engineering Visualization 21EVL15/25**

TIME: 03 Hours**Max. Marks: 100**Note: 01. Answer all **FOUR** full questions

02. Grid sheets may be provided for making preparatory sketches

Module -1		Marks
Q.01	The end projectors of line PQ are 80 mm apart. The end P is 15 mm in front of VP and 60 mm above HP. While Q is 50 mm in front of VP and 10 mm above the HP. A point R is situated on the projector at a distance of 31 mm from the projector through P measured towards the projector of Q. The point R is 70 mm in front of the VP and above the HP. A perpendicular is drawn from R on PQ. Draw its projections.	20
Module-2		
Q.02	A square pyramid of 50 mm side of base and 50 mm length of axis is resting on one of its triangular faces on the HP having a slant edge containing that face parallel to the VP. Draw the projections of the pyramid.	30
Module-3		
Q. 03	Right regular cone, of base 40 mm diameter & 60 mm height, is placed coaxially on top of regular Hexagonal prism of base side 30 mm and length of axis 30 mm. Draw the isometric projection of the combination.	25
Module-4		
Q.04	A vertical chimney of circular section of 400 mm diameter joins a roof sloping at 35° to the horizontal. The shortest portion of the chimney over the roof is 300 mm. Determine the shape of the sheet metal from which the chimney can be made. Use 1:10 scale.	25