



CBCS 2021 – SCHEME

21EVN15/25

USN:

First/Second Semester B.E./B.Tech. Degree Examination, June/July 2024

ENGINEERING VISUALIZATION

Time: 3 Hours

(COMMON TO ALL BRANCHES)

Max.Marks:100

Note: 1. Answer all four full question.

2. Grid sheets may be provided for making preparatory sketches:

Module – 1		
Q.No.		Marks
1	A hexagonal lamina of sides 25 mm is having a side both on HP and VP: The surface of the lamina is inclined at an angle of 60° with HP. Draw the top and front views of the lamina.	20
Module – 2		
2	A square pyramid 35 mm sides of base and 60 mm axis length rests on HP on one of its slant triangular faces. Draw the projections of the pyramid when the axis is inclined to VP at 45° .	30
Module – 3		
3	A frustum of cone of base diameter 50 mm, face diameter 25 mm and height 50 mm is placed centrally on a square slab side - 80 mm and thickness-30 mm. Draw the isometric projection of the combination of solids.	25
Module - 4		
4	Draw the development of the truncated portion of the lateral faces of a pentagonal prism of 20 mm sides of base and 50 mm axis length with one of its rectangular faces parallel and nearer to VP so as to produce a one piece development. The inclined face of the truncated prism is 30° to its axis and passes through the right extreme corner of the top face of the prism.	25

Examiner 1:
Name:
Signature:

Examiner 2:
Name:
Signature: