

CBCS SCHEME

USN

--	--	--	--	--	--	--	--	--	--

18EGDL15/25

First/Second Semester B.E. Degree Examination, December 2019

ENGINEERING GRAPHICS

Time: 3 Hours

(COMMON TO ALL BRANCHES)

Max. Marks: 100

Note:

1. Answer three full questions.
2. Use A4 sheets supplied.
3. Draw to actual scale.
4. Missing data, if any, may be assumed suitably.

1. A line AB measuring 70 mm has its end A 15 mm in front of VP and 20 mm above HP and the other end B is 60 mm in front of VP and 50 mm above HP. Draw the projections of the line and find the inclinations of the line with both the reference planes of projection.

25 Marks

OR

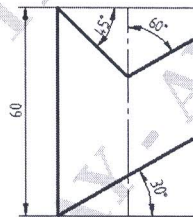
1. A square lamina ABCD of 40 mm side rests on corner C such that the diagonal AC appears to be at 45° to VP. The two sides BC and CD containing the corner C make equal inclinations with HP. The surface of the lamina makes 30° with HP. Draw its top and front views.

25 Marks

2. A hexagonal pyramid 25 mm of sides of base and 50 mm axis length rests on HP on one of its slant triangular faces. Draw the projections of the pyramid when the axis appears to be inclined to VP at 45° .

45 Marks

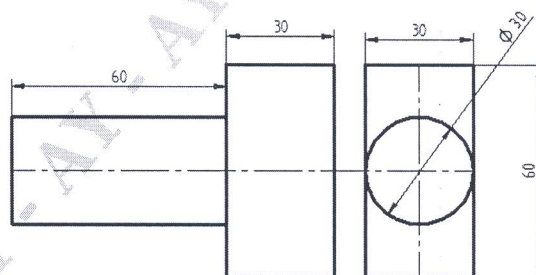
3. Develop the lateral surface of the truncated cylinder of 40 mm diameter and height 60 mm which is cut in the following way.



30 Marks

OR

3. Following figure shows the front and side views of solid. Draw the isometric projection of the solid.



30 Marks