

Roll No

BE-105 (GS)
B.E. I & II Semester Examination, June 2020
Grading System (GS)
Engineering Graphics
Time : Three Hours

Maximum Marks : 70

Note : i) Attempt any five questions out of eight.
ii) All questions carry equal marks.

1. a) List different types of scales used in Engineering drawing and define R.F. of scale.
b) Construct a plain scale to show metres and decimetres when 1m is represented by 2.5 cm and long enough to measure up to 6m.
2. Draw the projections of a hexagonal prism of base 25 mm side and axis 60 mm long which is resting on one of its corners of the base on H.P. The axis of the solid is inclined at 45° to H.P.
3. A hexagonal pyramid with 30mm base sides and 70mm long axis is lying on a slant edge on the ground such that the axis is parallel to the V.P. Draw its projections.
4. Draw the isometric projection of a hexagonal prism, side of base 25 mm and height 60 mm, any suitable position.
5. Draw an ellipse given the length of major axis and minor axis as 100 mm and 75mm.
6. Construct a diagonal scale of 3:200 showing meters, decimeters and centimeters and to measure upto 6 meters.

OR

What is CAD? List out five advantages of CAD as compared to conventional drawing.

7. List advantages of computer aided drafting.

OR

List five editing commands and their functions used in CAD.

8. Write a short notes on the following:(any two)
 - a) Orthographic Projection
 - b) Traces of a line
 - c) Editing commands in CAD
