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Roll No

ME-111-CBCS
B.E. I & II Semester
Examination, June 2020
Choice Based Credit System (CBCS)
Engineering Graphics
Time : Three Hours

Maximum Marks : 60

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) How are origins and terminations of dimensions indicated explain with drawing.
b) What is projection? Sketch the symbols used to represent first angle and third angle projection.
2. a) What is CAD? Write the advantages of CAD.
b) Explain the different editing commands used in CAD.
3. a) State a series of CAD command to draw a pentagon of 50mm side.
b) Explain the following commands in brief:
 - i) Move
 - ii) Array
4. A Pentagonal pyramid of base edge 30mm and height 50mm is resting on one of its corners in H.P. Draw the projection when the axis is inclined at 45° to the H.P.

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5. A hexagonal prism of side base 25mm and 60mm long axis is resting on one of its base corner in H.P. in such a way that axis makes an angle of 30° to H.P. and parallel to V.P. Draw the projections.
6. Draw the isometric projections of the frustum of a cone of 50mm base diameter, 25mm top diameter and 60mm height.
7. Draw the development of a square prism of 30mm base edge and 70mm long axis.

OR

Draw the isometric view of a hexagonal prism having side of base 25mm and axis 65mm long resting on it's base on HP.

8. Write a short note any two of the following:
 - a) Solid modelling
 - b) Coordinate system in CAD
 - c) Basic drawing commands
