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B.E. Second Semester Examination – July / August 2024
COMPUTER AIDED ENGINEERING DRAWING

Time: 3 hrs Maximum Marks: 50

NOTE: 1. Use First Angle projection Method only.
2. Neatness carries Marks.
3. Solve three full questions selecting One question from **Module II**, one question from **Module III** and answer **either Module IV** or **Module V**.
4. Mark both Manual and computer sketches.

MODULE II

Q.No1a) A point A is 20 mm above HP and is in the first quadrant. Its shortest distance from **XY** line is 40 mm. Draw the projections. Also determine its distance from VP. **(05)**

Q.No1b) A line AB 65mm long. Has its end A 25mm above HP and in front of VP. The other end is 45mm above HP and in front of VP. Draw the projections and determine its inclinations. **(10)**

Q.No2) A pentagonal lamina of edges 25mm is resting on VP with one of its sides such that the surface makes an angle of 60^0 with VP. The edge on which it rests is inclined at 45^0 to HP. Draw its projections. **(15)**

MODULE III

Q No 3) A square pyramid 35mm sides of base and 60mm axis length rests on HP on one of its edges of the base, which is inclined to VP at 30º. Draw the projections of the pyramid when the axis is inclined to HP at 45º. **(20)**

Q.No4) A cube of 40mm sides rests on HP on an edge which is inclined to VP at 30^0. Draw its projections when the lateral square face containing the edge on which it rests makes an angle of 50^0 to HP. **(20)**

MODULE IV

Q.No5) Draw the Isometric projection of the combination of solids as shown inFIG.1 **(15)**

MODULE V

Q No 6) Draw the development of the lateral surface of truncated Hexagonal pyramid as shown in fig-2. **(15)**

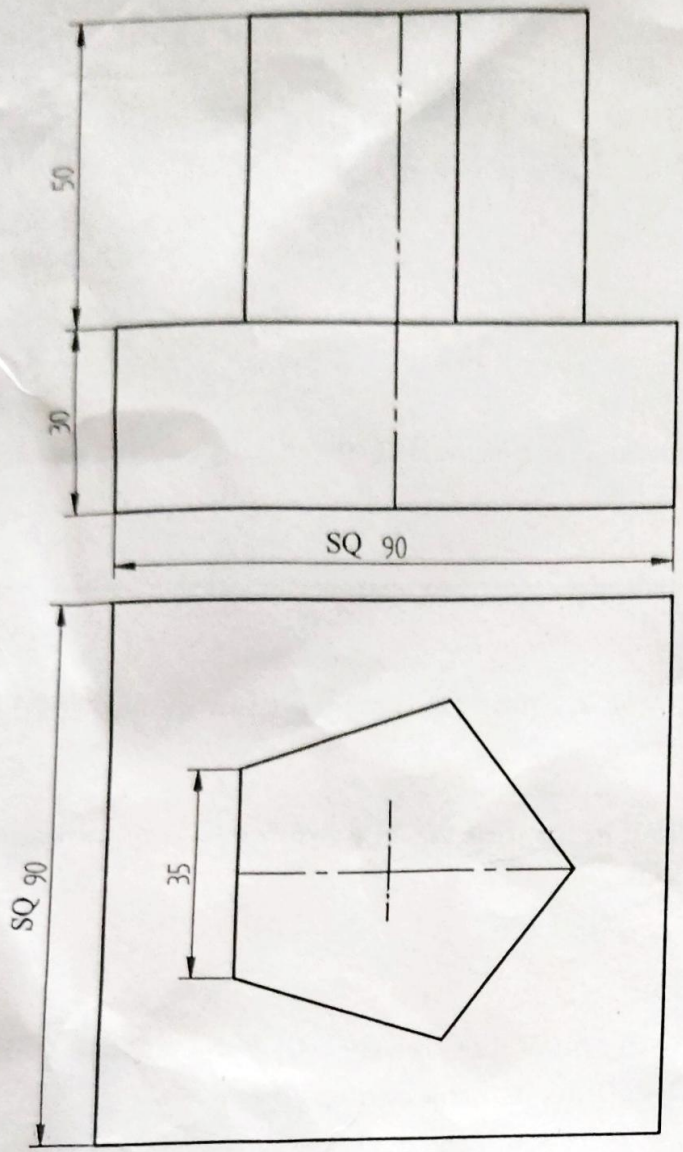

Fig-1

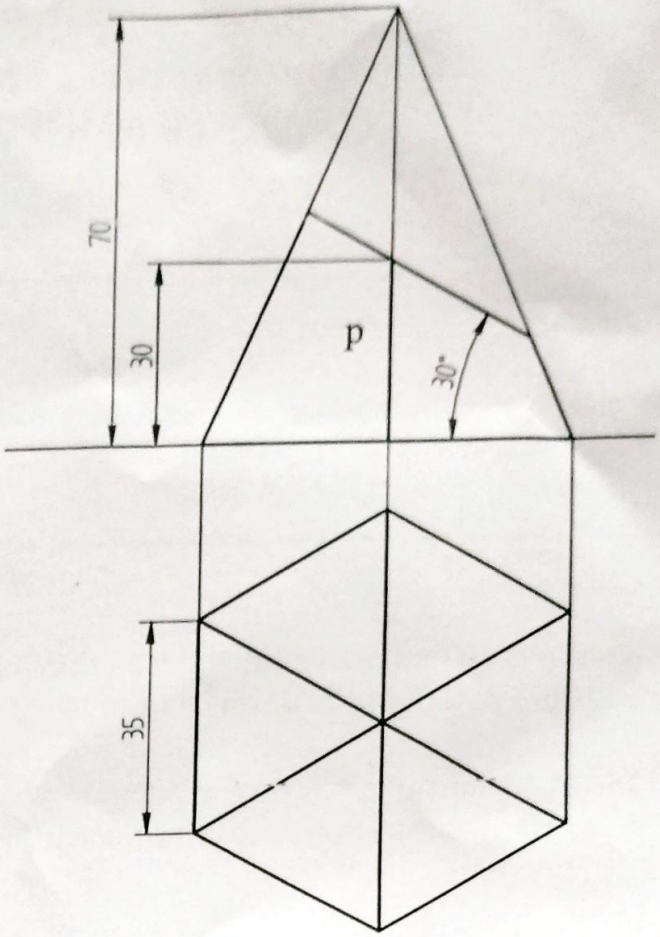

Fig-2