Programme: B.Tech.
Course Name: Engineering Drawing using CAD Software
Maximum Marks: 80

Year/Semester: 23242
Course Code: ES-2302
Time allowed: 3 Hours
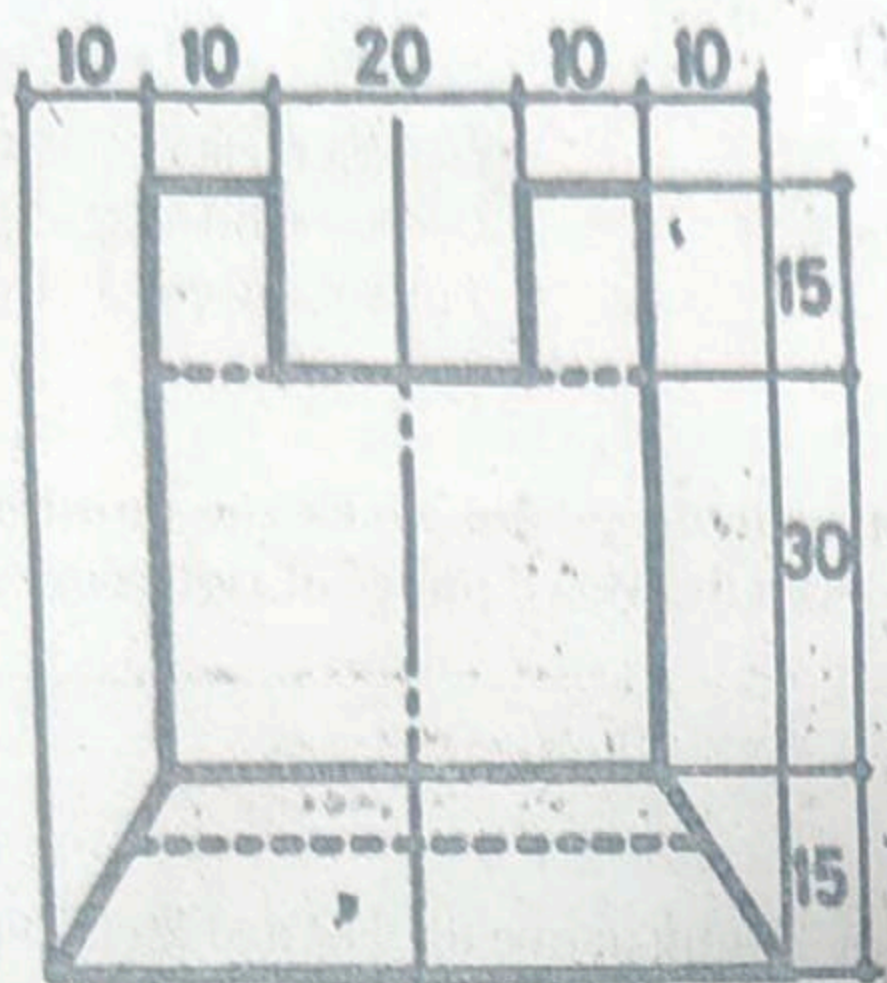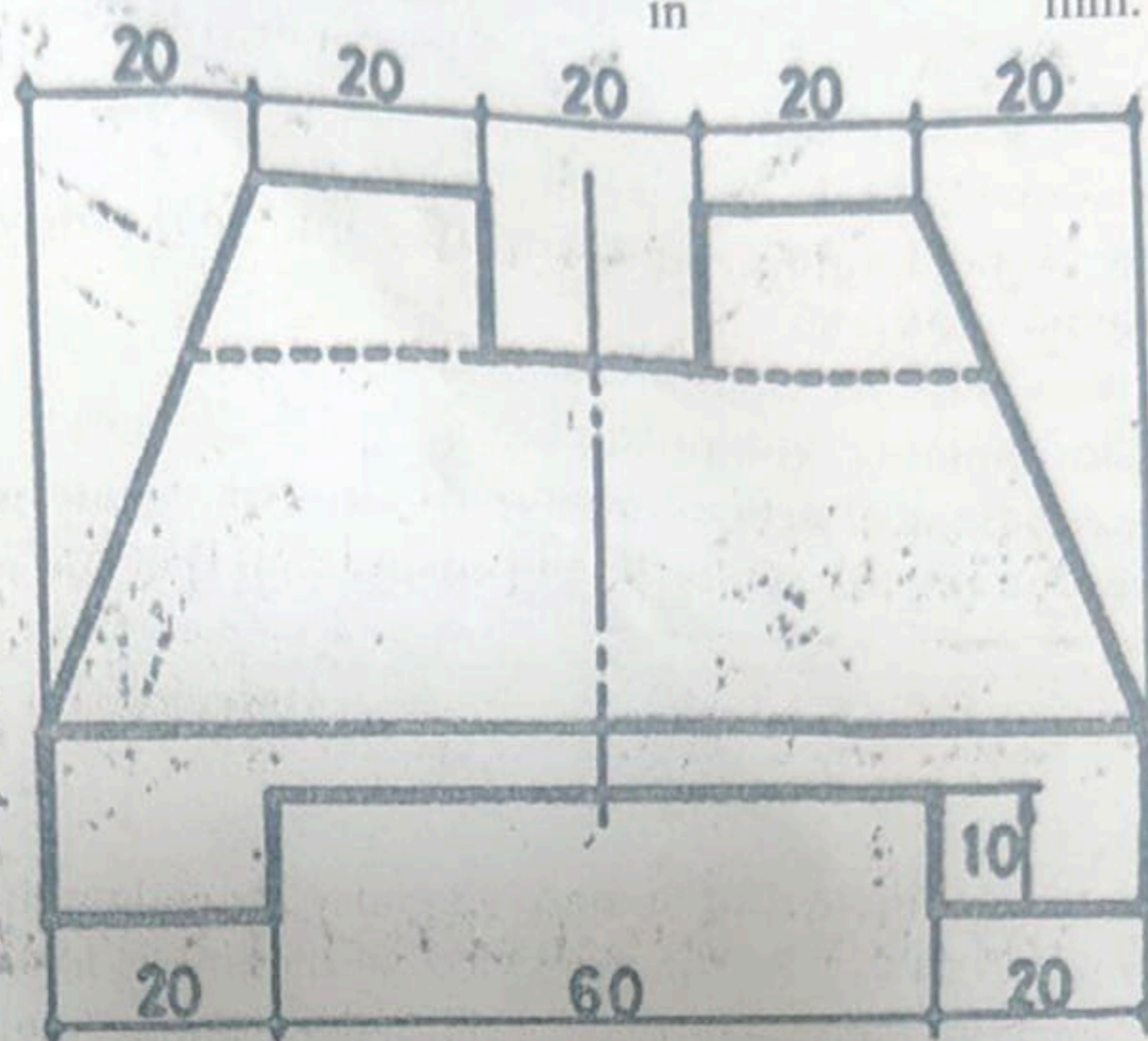
Note:
- All questions are compulsory
- The candidates, before starting to write the solutions, should please check the question paper for any discrepancy, and ensure that they have been delivered paper of right course code.

Q. No.	Description	Marks
1	A straight line AB of 50 mm length has its end point A 15 mm above the HP and 20 mm in front of the VP. The front view of the line is inclined at 60° to the XY line. Draw the projection of line AB, find its HT and VT and its inclinations in relation to HP and VP.	10
2	A hexagon with a 40 mm side has a side in the VP and is inclined at 60° to the HP. The side opposite the side in the VP is 50 mm in front of the VP. Draw the three views of the hexagon.	10
3	A pentagonal prism of side of base 25mm and axis 40mm long is resting on H.P on a corner of its base. Draw the projections of the prism, when the base is inclined at 60° to HP, and the axis appears to be inclined at 30° to V.P.	15
4	A hexagonal prism, of side base 30 mm and length of axis 75 mm, is resting on a corner of its base on HP, with the longer edge containing that corner inclined to HP at 30°. It is cut by a section plane parallel to HP and passing through the mid-point of axis. Draw the front and sectional top view of the solid.	10
5	Draw the Orthographic projections of the Figure shown below:	20

| 6 | Draw isometric projection of the object from the FV and LHSV shown in the below figure. All dimensions are in mm. | 15 |

FV

LHSV