

Assignment No: 2

Subject and Subject code: Engineering Graphics and Design (BTME-101-21) Semester: 2nd

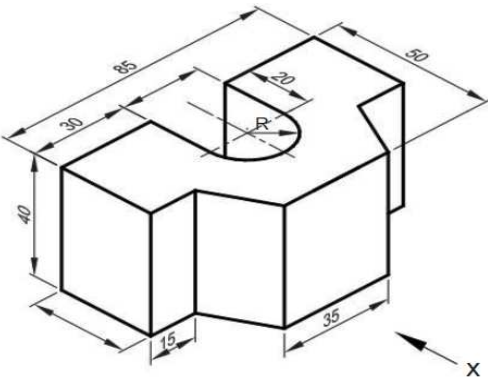
Date on which assignment given: 26.10.2023

Date of submission of assignment: 2.11.2023

Total Marks: 10

Course Outcomes:

CO 1:	illustrate and prepare drawings.
CO 2:	apply the principles of orthographic projections
CO 3:	analyze and visualize of two and three dimensional planes and solids respectively.
CO 4:	design and fabricate surfaces of different shapes.
CO 5:	construct the objects in three dimensional appearances.

Assignment related to COs		Marks	Relevance to CO No.
Q 1.	Explain various commands of draw and modify tool bar?	2	CO-5
Q 2.	Figure shows isometric projection of an object. Draw the following views: 1) Front view 2) Top view 3) Left side view 	2	CO-4
Q 3.	A right regular pentagonal pyramid, edge of base 25 mm and height 55 mm, rests on an edge of its base on HP such that its axis is parallel to the VP and its base makes an angle of 45° to the HP. Draw its projections.	2	CO-3
Q 4.	A thin circular plate of ϕ 65 and negligible thickness rests on HP on its rim and makes an angle of 55° to it. One of its diameters is inclined to VP at 30°. Draw its projections keeping distance of the center of circular plate 45 mm in front of the VP.	2	CO-3
Q 5.	A cube of 40 mm edge is placed centrally on the top of a square block of 60 mm edge and 20 mm thick. Draw the isometric projection of the two block mutually parallel to each other.	2	CO-4