	SUMMER-2023		
	Exam Seat No.:		
	Academic Year:2022-2023	Semester:II	
	Name of Programme:B.Tech	Pattern:2022	
	Name of Course:Engineering Drawing	Course Code:FYE221012	
	Max. Marks:60	Duration:2.50	

Instructions: Candidates should read carefully the instructions printed on the Question Paper
and on the cover page of the Answer Book, which is provided for their use.
1. This question paper contains 04 page(s).
2. Answer to each new question is to be started on a new page.
3. Assume suitable data wherever required, but justify it.
4. Draw the neat labelled diagrams, wherever necessary.
5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of
the Question/sub-question

Question No. 1 Attempt following Question

1.a) A line AB has its end point A on the H.P. and 25 mm infront of V.P. The plan length is 40 mm and Elevation length is 50 mm. The plan of the line is making an angle of 30^0 to the XY line. Draw the projections of the line. Find the TL and θ .   (12)   CO4
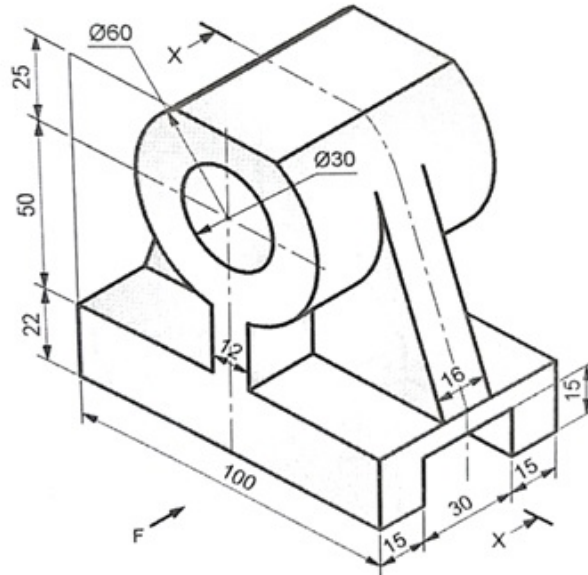
OR

1.b) A hexagonal plane of 30 mm side has one of its sides on the H.P. and inclined at 45^0 to the V.P. The surface of the plane is inclined at 45^0 to the H.P. Draw its projections   (12)   CO4

Question No. 2 Attempt following Question

2.a)
Figure shows a pictorial view of an object, using first angle method. Draw
Sectional front view along F direction (section X-X), Top View and Right-
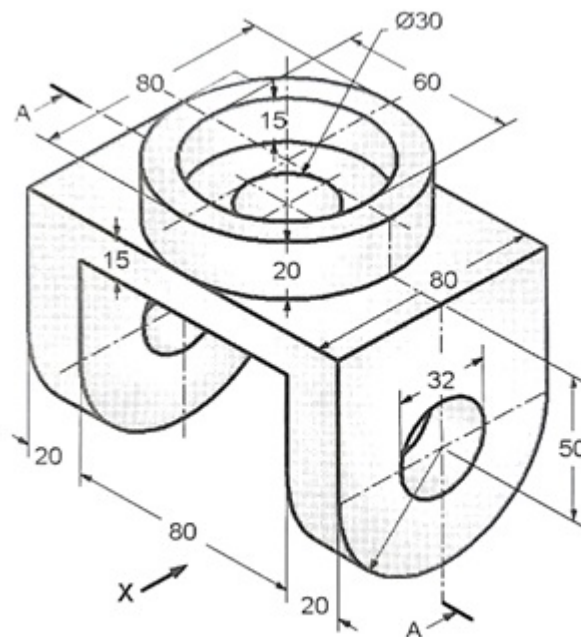Hand Side View. Show all Dimensions..

(16)   CO3

OR

2.b)   (16)   CO3
Figure shows isometric view of a machine component. Using first angle
method Draw sectional front view along X direction (section A-A),
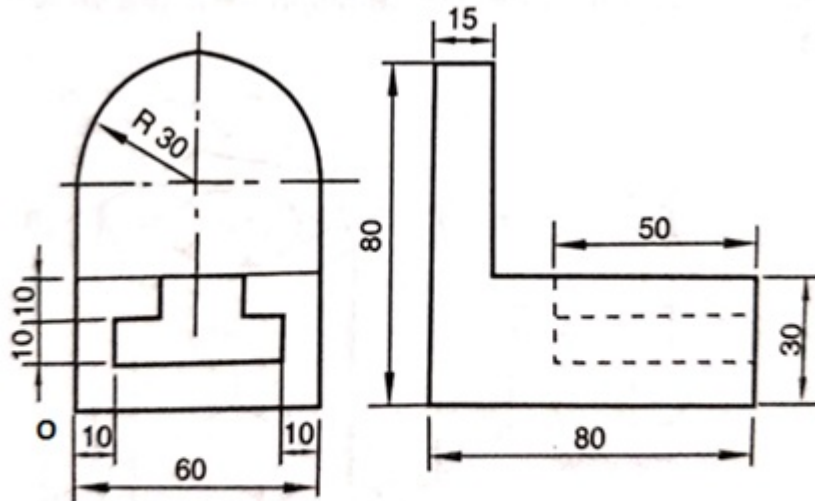L.H.S.V. and Top view. Give all Dimensions

Question No. 3 Attempt following Question

3.a)

The figure shows front view and Left hand side view of a machine part by first angle projections method. Draw its isometric view
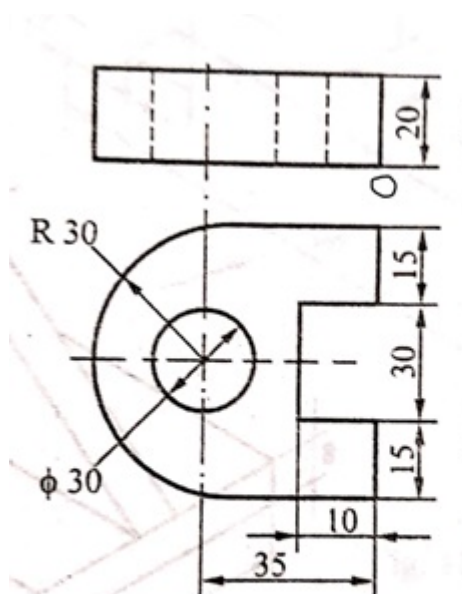

(16)   CO3

OR

3.b)   (16)   CO3

Figure shows front view and top view of an object by first angle projections method. Draw its isometric view about origin O. Give overall dimensions

Question No. 4 Attempt following Question

4.a)
A triangular prism of base 45 mm and axis length 40 mm is kept on H.P. in such a way that its base edge is perpendicular to V.P. It is cut by a section plane, perpendicular to V.P. and inclined at 38^0 to H.P. Section plane is passing through the midpoint of the axis. Draw the development of surface of cut Prism

(16)   CO4

OR

4.b)
A Square pyramid having side of base 40 mm and axis length 55 mm is kept on the H.P. on one of its base corners. Draw its projections if its axis makes an angle of 30^0 with H.P. and Plan of axis makes 55^0 with XY line.

(16)   CO4