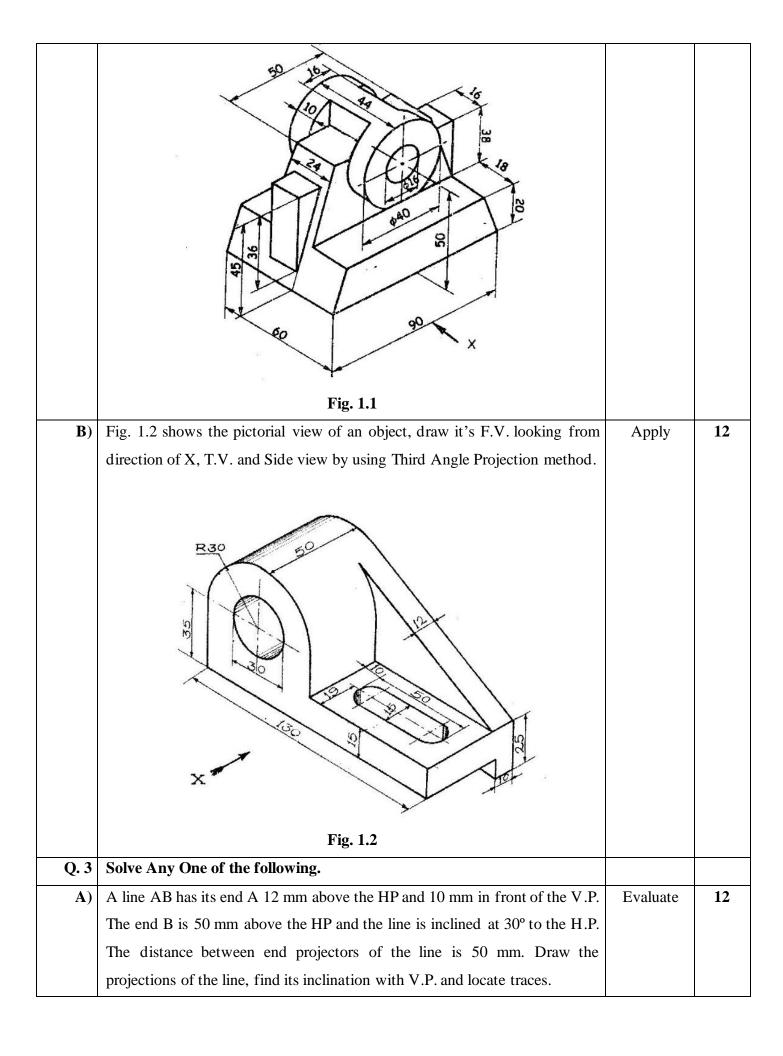
	DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE				
	Supplementary Examination – Summer 2022				
	Course: B. Tech.	Branch: All Branches	Semo	ester : II	
	Subject Code & Name:	BTES203G Engineering Graphics			
	Max Marks: 60	Date:12/01/2023	Duration	: 3 Hr.	
	 Instructions to the Students: All the questions are compulsory. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question. Assume suitable data wherever necessary and mention it clearly. 				
				(Level/CO)	Marks
Q. 1	Solve Any Two of the fo	ollowing.			
A)	Construct regular hexago opposite sides vertical.	on of 40 mm side by general method k	eeping two	Remember	6
B)	Draw the projections of fo	ollowing points on the same XY line by	keeping the	Understand	6
	30 mm distance between	two successive projectors			
	i. Point A 20mm a	above H.P. and 35mm behind V.P.			
	ii. Point B 35mm	below H.P. and 30mm behind V.P.			
	iii. Point C 45mm	above H.P. and 30mm in front of V.P. $$			
	iv. Point D 50mm	below H.P. and 25mm in front of V.P.			
	v. Point E 40mm	above H.P. and 40mm behind V.P.			
	vi. Point P 20mm	in front of V.P. and 20mm below H.P.			
C)	A 80 mm long line PQ h	as its end P 25 mm above the HP and	35 mm in	Evaluate	6
	front of the VP. The line	is inclined at 45° to the HP and 30° to	o the VP. Draw		
	its projections.				
	Solve Any one of the fo	llowing.			
Q.2	Solve Any one of the 10	o .			
Q.2 A)		orial view of an object, draw it's FV	looking from	Apply	12



B)	A hexagon plane of 40 mm side, has its corner A in the H.P. The surface of	Evaluate	12
	the plane is inclined at 40° to H.P. and the diagonal containing that corner A		
	is inclined at 35° to the VP. Draw its projections.		
Q.4	Solve any one of the following.		
A)	A hexagonal pyramid of 30 mm base side and 60 mm long axis has an edge	Evaluate	12
	of its base on the ground and the axis inclined at 30° to the HP. The edge of		
	the base on which it rests is inclined at 45° to the VP. Draw its projections.		
B)	Draw the projections of a cone, having a base with a 50 mm diameter and a	Evaluate	12
	60 mm axis, when it is resting on the ground on a point of its base circle		
	with the axis inclined at 30° to the HP and the top view of the axis is		
	inclined at 45° with the VP.		
Q. 5	Solve Any One of the following.		
A)	A hexagonal prism of base 30mm and axis 60mm long is resting on HP on	Evaluate	12
	one of its bases with two of the vertical faces are perpendicular to VP. It is		
	cut by a plane inclined at 45° to the top base and it is passing through a point		
	20 mm from top of the axis. Draw its front view and sectional top view.		
B)	Fig.1.3 Shows two views of an object, draw an Isometric view of it. Also	Synthesize	12
	mentioned the basic difference between Isometric view and Isometric		
	Projection.		
	4 -F		
	100 (no.)		
	8 ° 30 		
	60 55		
	FV LHSV		
	Fig.1.3		
	*** End ***		
	15HQ · · ·		