02/06/2012 - 11.30am to 2.30pm

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		Fi	rst / S	econ	d Se	mes	ter I	B.E.	Deg	gree	Exan	ninatio	n, May	/ June 2	2012	
			CON	APU	TE	R A	AID	ED	EN	IGI	NEF	ERIN	G DRA	AWIN	G	
Time	: 3 Hour	IMC	ON TO ALL BRANCHES)							M	Max. Marks: 100					
Note: 1.Answer three full questions 3. Draw to actual scale 2. Use A4 sheets supplied 4. Missing data, if any, may be sui													suitably	assumed		
45	Q1.a) i. A point is lying on VP, 10 mm below HP and 30 mm behind / in front / from LPP. Draw its projections and name the side view. (10 Marks)															
84	ii.	ii. One end of a line is 30 mm in front of VP and 30 mm above HP. The line is inclined at 40° to HP and its top view measuring 60 mm, is inclined at 50° to XY line. Draw the projections of the line and determine true length and inclination with VP. (20 Marks)														
	OR															
103	b)	An triangular plane of figure of sides 25 mm is resting on HP with one of its corners, so that the surface of the lamina makes an angle of 60° with HP. If the side opposite to corner on which the lamina rests makes an angle of 30° to VP, draw the top and front vie in this position. (30 Mar														to the
200	Q2.	2. A cone of base diameter 40mm and axis length 50 mm is resting on HP on a point on the circumference of its base such that its apex is 40 mm above HP and its top view of the axis inclined at 60° to VP. Draw the top and front views of the solid. Also determine the inclinations of the axis when the base is nearer to the observer. (40 Marks)													he axis ine the	
250	Q3 a)	A funnel is to be made of sheet metal. The funnel tapers from 60 mm to 30 mm diameter to a height of 25 mm and then forms a cylinder with a height of 50 mm. Bottom of the funnel is beveled off completely at an angle of 45° to the axis. Draw the development of the funnel. (30 Marks)														funnel of the
OR																
284	b)							-				-		hexagon	al prism	