## 05/06/2012 - 8.30am to 11.30am

	USN								10CED14 / 24
		First / Sec	cond Se	mester	B.E.	Deg	ree	Examination, May / J	une 2012
								NEERING DRAV	
Tim	e: 3 Hou	`S	(COM	MON				RANCHES)	Max. Marks: 100
	Note:	1. Answer three 3. Draw to actu		stions				4 sheets supplied ng data, if any, may be sui	tably assumed
13	Q1.a) i.	A point M is on HP and 30 mm in front of VP. Another point N is 20 mm below HP and 20 mm in front of VP. The distance between their projectors measured parallel to XY line is 50 mm. Find the distance between front views of the points M and N  (10 Marks)							
65	ii.	Draw the projections of a straight line AB, 100 mm long inclined at 45° to HP and 30° to VP. The end A is in HP and end B is in VP. Find the distance between the straight line AB and the line of intersection of planes of projection (20 Marks)							
							O	OR .	
122	b)	A Pentagonal lamina of sides 25 mm is resting on one of its edges on HP with the corner opposite to that edge touching VP. The edge is parallel to VP and the corner, which touches VP is at a height of 15mm above HP. Draw the projections of the lamina and determine the inclinations of the lamina with HP and VP and the distance at which the parallel edge lies from VP.  (30 Marks)							
153	Q2.	A square prism 35mm sides of base and 60 mm axis length rests on HP on one of its corner of base such that the two base edges containing the corner on which it rests make equinclinations with HP. Draw the projections of the prism when the axis of the prism inclined to HP at $40^{\circ}$ and to VP at $30^{\circ}$ .  (40 Mark							
205	Q3. a)	is inclined at 3	$10^{\circ}$ to VP and passe	. It is cu es throu	t by a gh the	section	on p	s base on HP such that one plane perpendicular to VP nt of the axis. Draw the	inclined to HP at an

OR

A hemisphere of diameter 50 mm is centrally resting on top of a square prism of base side

60 mm and height 30 mm such that the curved surface of the hemisphere is touching the top

(30 Marks)

face of the prism. Draw the isometric projections.

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