CBCS Scheme

USN					0.210	

15CED14/24

First/Second Semester B.E. Degree Examination, December 2016

## **COMPUTER AIDED ENGINEERING DRAWING**

Time: 3	Hours	(COMMON TO ALL BRANCHES)	ax. Marks: 80					
Note:		Answer three full questions.						
Q.No.1	a. A	a. A point 20 mm below the reference XY line is the top view of the points 'P', 'Q' and 'R', 'P' is 20 mm below HP, 'Q' is 35 mm above and 'R' is on HP. Draw the projections of the three points and state the						
	b. A	A line AB 100 mm long measures 80 mm in front view and 70 mm in top view the midpoint M of the line is 40 mm from both HP and VP. Draw its projections. Find its inclinations.						
Q.No.1	e p V	OR A circular lamina inclined to the VP appears in the front view as allipse of major axis 60 mm and minor axis 30 mm. the major axis arallel to both HP and VP. One end of the minor axis is in both HP at VP. Draw the projections of the lamina and determine the inclination the lamina with the VP.	is nd					
Q.No.2	o co D	A hexagonal pyramid 25 mm sides of base and 50 mm axis length reson HP on one of its corners of the base such that the two base edge ontaining the corner on which it rests make equal inclinations with H Draw the projections of the pyramid when the axis of the pyramid inclined to HP at 40° and appears to be inclined to VP at 45°.	es P.					
Q.No.3	c; ai	Oraw the development of the lateral surface of a funnel consisting of ylinder and a frustum of a cone. The diameter of the cylinder is 20 m and top face diameter of the funnel is 80 mm. The height of frustum a ylinder is equal to 60 mm and 40 mm respectively.	m					
	OR							
Q.No.3		hemisphere diameter 70 mm is placed on the ground on its curvurface. A cone base diameter 70 mm and height 70 mm is placed on the ground on its curvurface.						

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centrally on it. Draw the isometric projection of the combination.