Code No: 131AF

.....JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD. B.Tech I Year I Semester Examinations, December 3:2016

A.			Year I Semester ENGINEE	DLOGICAL UNIVI Examinations, Dec RING GRAPHICS E, MCT, MMT, MS	ember ∷201		220 + 325 2
	Time:	3 hours	Answer a	ny five questions		Max Marks: 75	· Johnst
X K + X X + X X X X X X X X X X X X X X	XX		All questions	carry equal marks	**************************************	FIG	*** *** * * * * * * * * * * * * * * *
IG:	1.a) b) 2.	A room of 1728 m ³ v a scale to measure up Construct two branch are 70 mm apart. Local Draw the curve trace side 15mm. The wire from the center of the	to 50 m. Also in the of a hyperbo cate its directrix a	dicate a distance of a la when its transvers and determine the eco OR []	37.6 m on the se axis is 50 centricity.	e scale. mm long and foci [7+8] regular hexagon of	PG
	8 F F44	The distance between its and the V.T is 60 mr true length and inclin the H.P.	traces is 95 mm. n above the H.P.	The H.T. of the line Draw the projection	e is 40 mm ins of the line	n front of the V.P. and determine its	2 4 4 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	# × × × × × × × × × × × × × × × × × × ×	A rectangular plane v The longer edges are shortest edge nearer to	parallel to the	H.P. and the neares	t one is 20 1	ooth H.P. and V.P. mm above it. The [15]	100 TAP 1 1 2 4 2 7 4 4 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
	6.	A cylinder, 40 mm in base with the generate the H.P. Draw its proj	or passing throug ections	OR inclined	d at 30° to the state of the st	he V.P. and 45° to [15] [15] [16] [16] [17] [18] [18] [18] [18] [18] [18] [18] [18	
		faces in the VP and twith the HP. Draw its		base contained by the	at race make	[15]	
	7. A cube with: 40 mm long edges is resting on one of its faces in the H.P., such that a vertical face makes an angle of 30° with the V.P. It is cut by an A.I.P. inclined at 30° to the H.P. and passing through a point on the axis 30 mm above the H.P. Draw its sectional front view, sectional top view, true shape of section and auxiliary top view on a plane parallel to the section plane. [15]						HI.
	; ; ; ; ; s V	A Hexagonal prism educh that one of its recovery inclined at 45° to I Draw the sectional top	tangular fäces is IP and passing th	nm and axis 50 mm parallel to VP. It is carough the right corn	cut by a plane er of the top	e perpendicular to face of the prism.	
A TOTAL A T		AG	AG :	HG	HÜ	AC	# # # # # # # # # # # # # # # # # # #

