	Diplo		J <b>JARAT TE</b> gineering - SEM				RSITY SUMMER • 2014		
Subject Code: 320015						Date: 30-06-2014			
St Ti	ibjectime: 1 struction 1. A 2. M 3. F	t Name 10:30 a ons: attempt Take sui Tigures t	e: Mechanical am - 01:30 pm all five questions. Itable assumptions the right indicatestion carry equal	wherever is wherever is	necessary. s.	_	g tal Marks: 70		
Q.1	(a) (b)	Draw a typical fabrication drawing and write sequence of drawing reading.  Explain following terms w.r.t. dimensional tolerance with neat sketch  1. Basic dimension  2. Upper deviation  3. Lower deviation  4. Tolerance zone  5. Actual size  6. Zero line  7. Unilateral limits							
Q.2	(a)	Expla Sr. No	nin commercial for Description	rm of meta symbol	Dimens specified of	ollowing tabulations to be of the profile ction figure	Designation Example	07	
	(b)	Draw piping line diagram and label different piping elements in it. Write application of different piping elements  OR							
	(b)	Explain ANY SEVEN AutoCAD commands with neat sketch. 0							
Q.3		syster	Draw following views of object shown in FIG-1 by using 1 <sup>st</sup> angle projection system  1. Front view 2. R.H.S.V. 3. Top plan OR						
Q.3		FIG-2 1. 2.	Draw by the same method of projection following views of object shown in FIG-2  1. Front view 2. Sectional side view take section along X-X 3. Top plan						
Q.4		Draw	Draw Isometric view of given orthographic views shown in FIG-3 OR						
Q.4		Make detail drawing of cotter joint shown in FIG-4						14	
Q.5		Draw	Draw development of part B of object shown in FIG-5						

(a) Draw neat sketch and label different parts of following process equipment

2. Helical screw, cone type, propeller, radial propeller, high speed disc

1. Pressure vessel

agitator

Seat No.: \_\_\_\_\_

Q.5

**07** 

Enrolment No.\_\_\_\_

(b) Draw N or Z type nomograph of equation E=I\*R Where I=0 to 100 Amp R=0 to 150 Ohm

Find value of E when I=50 Amp. And R=100 Ohm

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FIG-1 ALL DIMENSIONS ARE IN MM

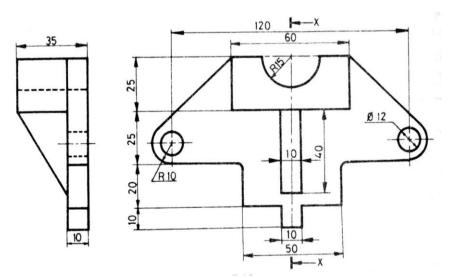


FIG-2 ALL DIMENSIONS ARE IN MM

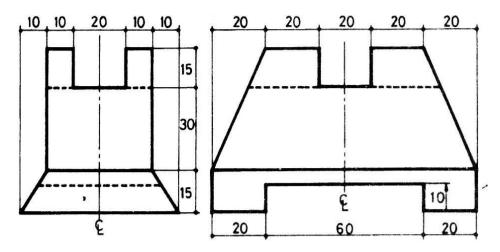


FIG-3 ALL DIMENSIONS ARE IN MM

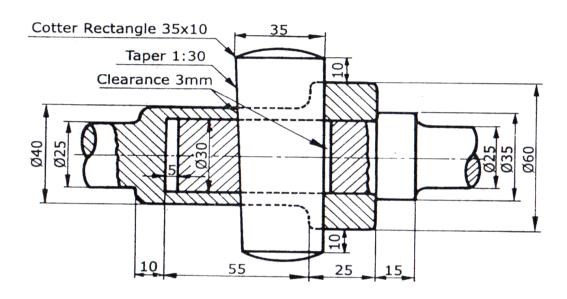


FIG-4 ALL DIMENSIONS ARE IN MM

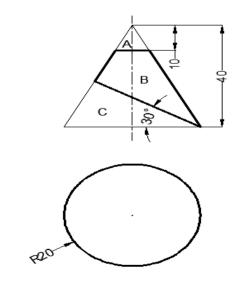


FIG-5 ALL DIMENSIONS ARE IN MM

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