Seat No.:	
	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-III(New) EXAMINATION - SUMMER 2016

Subject Code:2132001		Date:31/05/2016		
Subjec	et l	Name:	:Industrial Drafting	
Time:10:30 AM to 01:30 PM			Total Marks: 70	
Instruct			4.11	
			pt all questions. suitable assumptions wherever necessary.	
			s to the right indicate full marks.	
	•	1 1901 0	o vice right muture run murnis	MARKS
(\ 1		Short Quartiens	14
•	Q.1	1	Short Questions Why washer is used in Bolt-Nut pair?	14
		2	List out types of Drawing.	
		3	Which computer graphics software are used?	
		4	What is limit?	
		5	Draw the sketch of wing nut.	
		6	Define crest.	
		7	Define Pitch.	
		8	Draw the conventional representation of worm.	
		9	Why foundation bolts are use in industries.	
		10	What are keys?	
		11	What is stud?	
		12	Why shaft is used in machine?	
		13	Draw the conventional representation of Bearing.	
		14	Draw the symbol of fillet joint.	
(2.2		Explain unidirectional system with use of neat sketch.	03
`	۷۰4	(b)	Draw any four types of Screw Threads.	04
		(c)	A vertical cone base dia 75mm axis 100mm long	
		(0)	completely penetrated by cylinder of 45mm dia the as	
			of the cylinder is parallel to H.P and V.P and inter secti	
			axis of the cone at the point 28mm above the base. Draw	
			Projections showing curve of intersection.	
			OR	
		(c)	A cylinder of 80 mm diameter and 100 mm axis	is 07
			completely penetrated by a cone of 80 mm diameter a	
			120 mm long axis horizontally. Both axes intersect	&
			bisect each other. Draw projections showing curve	of
			intersections.	
(Q.3	(a)	Differentiate between machine and production drawing	. 03
		(b)	Explain the use of rag foundation bolt with rough sketch	h. 04
		(c)	Draw a neat sketch of a flange coupling.	07
			OR	
(Q.3		Explain aligned system with use of neat sketch.	03
		(b)	Explain the machine drawing.	04
		(c)	Which are the types of Riveted joints? Explain all	in 07
	` 4	(-)	detail.	Λ2
(Q.4		Explain various types of fits.	03
		(b)	Explain with the neat sketch hole basis system. Explain Gib and Cotton joint with post sketch	04
		(c)	Explain Gib and Cotter joint with neat sketch. OR	07
(Q.4	(a)	Draw the conventional representation for indicating t	the 03
•	<•¬	(4)	214", the conventional representation for indicating t	

	(b) (c)	oil, steel, bevel gear, wood. Explain with the neat sketch shaft basis system. Explain split-muff coupling with neat sketch	04 07
Q.5	(a)	Explain the third angle drawing.	03
	(b)	What is surface roughness? How it is represented in engineering drawing.	04
	(c)	Explain the various commands in the dimension tool box of AUTO CAD.	07
		OR	
Q.5	(a)	Explain the First angle drawing.	03
	(b)	Define terms: (1)Tolerance,(2)Deviation,(3)Fit, (4)Allowances.	04
	(c)	Mention advantages and disadvantages of CAD.	07
