Sea	at No.:	Enrolment No	_
	Dipl	GUJARAT TECHNOLOGICAL UNIVERSITY loma Engineering - SEMESTER-V • EXAMINATION – WINTER • 2014	
Su	bject	Code: 3335505 Date: 03-12-2014	
	-	Name: Fabrication Technology - 1	
	me: 10 truction	0:30 am - 01:00 pm Total Marks: 70	
ms		Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. English version is considered to be Authentic.	
Q.1	(a) (b)	Prepare tabulated chart of ANY SEVEN commercial forms of metal Explain different structural shop floor operation with neat sketch	07 07
Q.2	(a) (b)	 Explain various types Hammer with neat sketch Classify the files based on various criteria. Explain the file with neat sketch label its various elements. OR	07 07
	(b)	Explain need of knowledge, attitude and skills required for structural fabrication shop floor supervisor	07
Q.3	(a)	Explain flash back arrester and anti return flow valve used in oxy acetylene cutting process.	07
	(b)	Explain water jet cutting process with neat sketch OR	07
Q.3	(a)	Explain advantages, disadvantages & applications of following structural joining process 1) Mechanical fasting process 2) Adhesive bonding 3) Welding 4) Brazing 5) Soldering process	07
	(b)	Explain the procedure of fabrication of steel structure as per IS -800 with their salient features.	07
Q.4	(a) (b)	Explain the method of erection of Industrial shade Draw neat sketch of structural Fit-up & Set-up of I-Section, Channel and Angle.	07 07
0.4	(c)	OR Explain marking and massuring tools & againment used in structural	07

Explain marking and measuring tools & equipment used in structural **07** (a) fabrication shop. (b) Explain with neat sketch applications & practical use of Trammels. **07 Q.5** Explain method for calculating volume of square, rectangle, solid circular **07** (a) section, pipe and angle section with neat sketch. Explain in brief **07** (b) (1) Storing (2) Handling (3) Stacking (4) Color coding of structural steel.

OR

Q.5 (a) A) Explain in brief tolerance & deviation in structural fabrication. **07** B) Explain in brief acceptable deviation in a fabricated steel structure. **07**

(b) Explain the process of inspection in structural fabrication industry.
