Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Engineering - SEMESTER–IV • EXAMINATION – WINTER • 2014

Subject Code: 3345504 **Date: 04-12-2014**

Subject Name: Welding Technology - II

Time: 02:30 pm - 05:00 pm **Total Marks: 70**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**
4. **English version is considered to be Authentic.**

Q.1	(a)	Draw neat sketch of GTAW Process. State different parameters of GTAW.	**07**
	(b)	State advantages, limitations and applications of GTAW.	**07**
Q.2	(a)	Draw neat sketch and Explain working of GMAW Process.	**07**
	(b)	Draw neat sketch of Wire feed Mechanism of GMAW Process.	**07**
		OR	
	(b)	State advantages, limitations and applications of GMAW.	**07**
Q.3	(a)	Draw neat sketch and Explain CO2 Welding Process.	**07**
	(b)	Describe Principle of ESW with neat sketch.	**07**
		OR	
Q.3	(a)	State advantages, limitations and applications of PAW.	**07**
	(b)	Describe principle of FCAW with neat sketch.	**07**
Q.4	(a)	Describe Principle of Stud Welding Process with neat sketch.	**07**
	(b)	Draw neat sketch of Ultrasonic Welding. Explain its working.	**07**
		OR	
Q. 4	(a)	Draw neat sketch Atomic Hydrogen Welding. Explain its working.	**07**
	(b)	Describe EBW with neat sketch. State its advantages and disadvantages.	**07**
Q.5	(a)	Prepare List of SEVEN common weld defects. State its Causes and Remedies.	**07**
	(b)	Describe LBW with neat sketch. State its advantages and disadvantages.	**07**
		OR	
Q.5	(a)	Write Index of ASME section-IX. State applications of ASME.	**07**
	(b)	Draw WPS format. Describe meaning of its detail.	**07**

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