

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA ENGINEERING – SEMESTER –IV • EXAMINATION – SUMMER 2015

Subject Code: 3345504**Date: 12 /05 /2015****Subject Name: Welding Technology-II****Time: 10:30 AM TO 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt ALL questions.
 2. Make suitable assumptions wherever necessary.
 3. Figures to the right indicate full marks.
 4. Each question carry equal marks (14 marks)
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- Q.1** (a) Define the term “GTAW”. Describe its Equipment with neat sketch. **07**
(b) Describe Working of GMAW torch with neat sketch. **07**
- Q.2** (a) State advantages, limitations and applications of CO2 Welding. **07**
(b) Describe Working of GTAW process with neat sketch. **07**
- OR
- (b) Define the term “GMAW”. Describe its Equipment with neat sketch. **07**
- Q.3** (a) Describe flux cored Electrode wire and its functions. **07**
(b) Describe Conventional Electro Slag Welding with neat sketch. **07**
- OR
- Q.3** (a) Describe Principle of Operation of Stud Welding with neat sketch. **07**
(b) Describe Consumable Guide Electro Slag Welding With neat sketch. **07**
- Q.4** (a) Describe Transferred Arc Welding Process of PAW with neat sketch. **07**
(b) Describe Principle of Operation of Ultrasonic Welding with neat sketch. **07**
- OR
- Q. 4** (a) Describe Atomic Hydrogen Welding Equipment with neat sketch. **07**
(b) Describe Sequence of Operation of EBW with neat sketch. **07**
- Q.5** (a) List Causes and Remedies of SEVEN common weld defects. **07**
(b) Write and describe content of ASME section-IX. **07**
- OR
- Q.5** (a) Draw sample WPS format and explain meaning of its detail. **07**
(b) Define the Term “LBW”. Describe its concept with neat sketch. **07**
