

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Semester -IV Remedial Examination December - 2010

Subject code: 345502

Subject Name: Sheet Metal Fabrication

Date: 13 /12 /2010

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.

- Q.1** (a) List different hand tools used in sheet metal fabrication shop. **07**
Explain any five with neat sketch.
- (b) Explain different sheet metal joints with neat sketch. **07**
- Q.2** (a) Draw neat sketch of press tool assembly and label its Parts. **07**
(b) List different sheet metal forming operations and explain any five with neat sketch. **07**
- OR**
- (b) Compare soldering, brazing, braze welding and gas Welding process. **07**
- Q.3** (a) Explain brazing process with neat sketch, write Advantages, limitations and application of it. **07**
(b) Explain different gas welding equipment with neat sketch. **07**
- OR**
- Q.3** (a) Define “gas welding process” explain its principle of Operation. **07**
(b) Explain different types of gas welding flames with Neat sketch. **07**
- Q.4** (a) Make sheet metal development of Hopper/box. **07**
(b) Explain gas welding techniques with neat sketch. **07**
- OR**
- Q. 4** (a) Explain different safety precautions to be taken in Gas welding shop. **07**
(b) Explain definition, procedure, advantages, limitation And application Seam welding with neat sketch. **07**
- Q.5** (a) Draw neat sketch of different riveted joints, **07**
1. Single strip butt joint (single riveted and double riveted.)
2. Double strip butt joint (single riveted and double riveted.)
3. Lap joint.
- (b) Explain duties and quality of sheet metal shop Supervisor. **07**
- OR**
- Q.5** (a) Explain different sheet metal work applications. **07**
(b) Explain spring back effect in sheet metal work and Method to reduce it. **07**
