Seat N	No.:	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
a		PLOMA ENGG IV th SEMESTER-EXAMINATION – JUNE- 20	
•			8/06/2012
Subject Name: Sheet Metal Fabrication Time: 02:30 pm - 05:00 pm Total Mark			Aarks, 70
	ruction	1	iaiks. 70
	 Att Ma Fig 	tempt all questions. The suitable assumptions wherever necessary. The suitable assumptions wherever necessary.	
Q.1	(a) (b)	Make pattern development of AC Duct shown in fig – 1 List different hand tools used in sheet metal fabrication shop. Explain any five with neat sketch.	07 07
Q.2	(a)	Explain spring back effect in sheet metal work and method to reducit.	e 07
	(b)	Explain different types of sheet metal joints with neat sketch and write application of each joint.	07
	(1.)	OR	
Q.3	(b)	Explain mechanism of shearing action in press tool with neat sketch	n 07
Q.O	(a)	List different press tool dies and explain combination die and compound die with neat sketch.	07
	(b)	List different shearing operation and explain any five with neat sketch	07
\circ	(2)	OR Evaluin procest coll assembly, with next sketch	07
Q.3	(a) (b)	Explain press tool assembly with neat sketch Compare soldering, brazing, & gas welding process.	07
Q.4			
	(a) (b)	Explain different safety precautions to be taken in gas welding shop Explain different types and application of different gas welding flames.	. 07 07
		OR	
Q. 4	(a)	Explain definition, procedure, advantages, limitation & application with neat sketch of Spot welding	07
	(b)	Define "resistance welding process". Explain different variables of resistance welding process.	07
Q.5			
Q.O	(a) (b)	Explain quality control in resistance welding. Explain advantages & limitation of welded joint over riveted joints.	07 07
Q.5	(a)	OR Explain need, importance and limitation of sheet metal fabrication.	07
Q.J	(b)	List different sheet metal fabrication application and explain any three with neat sketch	07

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