Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY PDDC - SEMESTER-V • EXAMINATION - WINTER 2013

Subject Code: X 51902 Date: 06		Code: X 51902 Date: 06-12-2	-12-2013	
•	: 10	Name: Manufacturing Process - II 0.30 AM - 01.00 PM Total Marks	: 70	
msu u	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1		Define Pattern. Enlist Different types of pattern. Discuss gated pattern & follow board pattern with neat sketch.	07	
	(b)	Explain Properties of moulding sand	07	
Q.2	(a) (b)	•	07 07	
	(b)	Discuss permanent mould casting with its advantages over other casting processes.	07	
Q.3	(a)		07	
	(b)	other casting processes. 1. Differentiate TIG Welding & MIG Welding 2. Differentiate Spot Welding & Seam Welding OR	07	
Q.3	(a)		07	
	(b)		07	
Q.4	(a)	Explain Plasma Arc Welding (PAW) with its neat sketch and advantages.	07	
	(b)		07	
Q.4	(a)		07	
	(b)	Explain Seamless tube manufacturing with neat sketch.	07	
Q.5	(a)	Define following terms. 1. Blanking 2.Piercing 3.Trimming 4.Shaving 5.Notching 6. Lancing 7.Nibbling	07	
	(b)		07	
Q.5	(a) (b)	Discuss injection moulding with neat sketch.	07 07	
