Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

PDDC - SEMESTER-V • EXAMINATION – SUMMER 2013

Subject Code: X 51902 Date: 14-05-2 Subject Name: Manufacturing Process - II		3	
•		30 pm - 05.00 pm Total Marks: 7	0
Instru	1. 2.	s: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)		07 07
Q.2	(a) (b)	Explain investment casting process. State its advantages and applications.	07 07
		OR	
0.2	(b)		07
Q.3	(a)	Semi-centrifugal and centrifuging casting process.	07
	(b)	<u> </u>	07
		OR	
Q.3	(a)	Explain the principle of arc welding with neat sketch. State the parameters affecting the arc.	07
	(b)	Explain different types of welding defects and methods to reduce these defects.	07
Q.4	(a)	Explain working principle, process and application of MIG welding.	07
	(b)		07
		OR	
Q.4	(a)	Explain tube drawing and wire drawing process.	07
Q.4	(b)	Explain Blanking, Piercing, Coining and Embossing.	07
Q.5	(a)	Classify metal forming process. List the factors influencing rolling process. Explain the effect of roller diameter and metal friction on rolling	07
		process.	
	(b)	Explain working principle, process and application of Deep drawing.	07
0.5	()	OR	0=
Q.5	(a)	(i) Difference between thermoplastic and thermosetting.	07
	(b)	(ii) Process of polymerization.(i) Define Honing & Lapping.	07
	(b)	(ii) Explain blow molding process stating its advantages, limitations and applications.	U/
