Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V EXAMINATION - WINTER 2015

Su	bject	Code: 151901 Date:11/12/2015	
Subject Name: Manufacturing Processes-II Time: 10:30am to 1:00pm Instructions:		0:30am to 1:00pm Total Marks: 70	
	1. 2.	Attempt all questions.	
Q.1	(a) (b)	State various types of patterns. Discuss any three in details. State and explain the properties and types of moulding sands.	07 07
Q.2	(a)	State and explain various types of casting defects, causes of defects and its remedies.	07
	(b)	Explain investment casting and die casting process with their applications. OR	07
	(b)	Explain green, permanent and carbon dioxide moulding.	07
Q.3	(a) (b)	Explain principle of welding, brazing and soldering with their applications. Explain TIG and MIG welding process in details. OR	
Q.3	(a) (b)	Explain various welding defects, its causes and remedies. Explain spot projection and seam welding process in details.	07 07
Q.4	(a) (b)	What is elastic and plastic deformation? Explain in details. State different cold working processes. Discuss any four cold working processes in details. OR	07 07
Q.4	(a) (b)	Explain hot and cold working in details. Explain forging operations. Explain the classification of plastics with their applications.	07 07
Q.5	(a) (b)	Explain injection moulding and extrusion moulding process. State various super finishing processes. Discuss any two super finishing process with their applications. OR	
Q.5	(a) (b)	Explain compression moulding and blow moulding process. Explain wire and tube drawing processes.	07 07
