Seat No.:	Enrolment No.
Seat No	Emoniem No

GUJARAT TECHNOLOGICAL UNIVERSITY

PDDC - SEMESTER-V • EXAMINATION – SUMMER • 2014

Subject Code: X 51902 Subject Name: Manufacturing Process - II Time: 02:30 pm - 05:00 pm Instructions: Date: 29-05-201 Total Marks: 7			14
	1. 2. 3.	Attempt all questions. Make suitable assumptions wherever necessary.	
Q.1	(a) (b)	Differentiate casting, welding and forming processes. Explain different hand tools used in moulding.	07 07
Q.2	(a) (b)	Explain different types of moulds. State the properties of pattern materials and list the pattern materials. OR	07 07
	(b)	Explain different types of patterns.	07
Q.3	(a) (b)	Explain the properties of moulding sand. List the tests required to determine the property of sand and explain any one of them.	07 07
		OR	
Q.3	(a)	Explain centrifugal casting process with their advantages, disadvantages and applications.	07
	(b)	Explain Die casting process with their advantages, disadvantages and applications.	07
Q.4	(a)	Define welding and classify welding and allied processes.	0
	(b)	Explain oxy-acetylene flames with their applications. OR	07
Q.4	(a)	Explain submerged arc welding process with their advantages, disadvantages and applications.	07
	(b)	Explain laser beam welding process with their advantages, disadvantages and applications.	07
Q.5	(a)	Explain the advantages and disadvantages of hot working processes.	07
	(b)	With sketch explain the rolling mill stands. OR	07
Q.5	(a)	With sketch explain different forging operations.	0′
	(b)	With sketch explain different die shearing operations.	07
