Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION – SUMMER 2013

5	Subje	ect Code: 172003 Date: 28-05	-2013
	_	ect Name: Manufacturing Technology	
		e: 02:30 pm – 05:00 pm Total Mark	ks: 70
I	nstruc	actions: 1. Attempt all questions.	
Q.1	(a)	2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.	
	(b)	forming. List the various operations that can be carried out with press. Describe wit sketch bending, deep drawing and reverse redrawing operations.	th neat 07
Q.2	(a)	Explain the technical and economic characteristics in the selection of c process. Write specific advantages offered by casting process.	easting 0 7
	(b)		gating 07
	(b)		er and 07
Q.3	(a)	With a neat sketch, explain the principle of operation, merits-demericapplication of shell moulding process.	ts and 07
	(b)	7.1	merits 07
Q.3	(a)	Classify the welding power source based on V-I characteristics. Explavariation in current with neat sketch of moving coil high rea	
	(b)	welding transformer What are the factors that influence the coating formulations of electrod SMAW? State the various ingredients of coatings, their important character and its effects.	
Q.4	(a)	Explain the principle of measurement by light wave interference method neat sketch with its merits and limitations.	d with 07
	(b)		•
Q.4	(a)		mpare 07
	(b)		rocess 07
Q.5	(a)	Explain the working principle of EDM process with neat sketch, p parameters, merits-demerits and its applications.	rocess 07
	(b)		rocess 07
Q.5	(a)		07
~	(b)	• • • • • • • • • • • • • • • • • • • •	

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