GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI • EXAMINATION - SUMMER 2013

Subject Code: 163403			Date: 28-05-2013	
Tir	ne: 1 ructio 1. 2.	Attempt all questions.	Total Marks: 70	
Q.1	(a) (b)	Explain the classification of advanced manufacturing proc Explain the Ultrasonic Machining with neat sketch.	cesses.	07 07
Q.2	(a) (b)	Explain the dielectric system in EDM and mention its adv Explain the Wire EDM process with neat sketch.	antages.	07 07
	(b)	Discuss the various process parameters affecting EDM.		07
Q.3	(a) (b)	What is maskant? Explain the types with neat sketches. Explain the ECG process with neat sketch. OR		07 07
Q.3	(a) (b)	Explain the theory of ECM with Faraday's Laws of Electric Explain the classification of deburring processes.	olysis.	07 07
Q.4	(a) (b)	Explain the working principle of LBM process with neat s Write about the elements of Plasma arc cutting system with OR		07 07
Q.4	(a) (b)	Explain the applications of LBM and PAM. Discuss the process characteristics and applications of EB	M.	07 07
Q.5	(a) (b)	Explain the CNC system components with neat sketch. Explain the turning center construction with neat sketch. OR		07 07
Q.5	(a) (b)	Explain the machining center construction with neat sketce Explain the steps involved in CNC programming with suit		07 07
