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Seat No.:	Enrolment No.
Scat No	Linoinent no.

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Engineering - SEMESTER-III • EXAMINATION – WINTER 2013			
Su	bject	Code: 335501 Date: 28-11-2013	
Ti	me: 0. struction 1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
	4.	English version is considered to be Authentic.	
Q.1	(a) (b)	Compare orthogonal and oblique cutting with neat sketch. Draw neat sketch of centre lathe and label its parts.	07 07
Q.2	(a) (b)	List different lathe accessories and explain any three with neat sketch. Calculate taper of job for major dia D= 25mm, Minor dia d= 12mm & length of taper =25mm	07 07
	(b)	OR Explain single point cutting tool geometry with neat sketch.	07
Q.3	(a) (b)	Explain radial drilling machine with neat sketch Explain working principle of shaper with neat sketch. OR	07 07
Q.3	(a) (b)	Explain Hydraulic shaper drive mechanism with neat sketch. List different types of milling machine and explain any one with neat sketch	07 07
Q.4	(a) (b)	List different milling operation and explain any five with neat sketch Explain different types of abrasives used in grinding wheel. OR	07 07
Q. 4	(a) (b)	Explain marking system of grinding wheel in chart form Explain different steps involved in making a casting	07 07
Q.5	(a) (b)	Classify the pattern and explain in brief any five with neat sketch. Explain induction furnace with neat sketch OR	07 07
Q.5	(a) (b)	Compare Hot Working & Cold Working Process. Explain the process of spinning process with neat sketch.	07 07
