Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE - SEMESTER-VI • EXAMINATION - SUMMER 2013** 

Subject Code: 162402 Subject Name: Microprocessor for Power Electronics Time: 10.30 am - 01.00 pm Total Marks: 7		)	
		)	
ingti u	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)		07 07
Q.2	(a)	Explain with example following 8051 instructions. XCHD, CJNE, ADD, MUL, DIV.	10
	<b>(b)</b>		04
	(b)		04
Q.3	(a) (b)		07 07
Q.3	(a) (b)	Explain serial data communication by 8051.	07 07
Q.4	(a) (b)		07 07
Q.4	(a)		07
Q.4	(b)	Explain logical instructions of 8051.	07
Q.5	(a) (b)		07 07
Q.5	(a) (b)	Explain 4 X 3 matrix key board interfacing with 8051.	07 07

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