## T.E. Electrical VI CBSGS MCL its Application QP Code: 584900

		(3 Hours)	[ Total Marks : 89
N.I	3. :	<ol> <li>Question no. 1 is compulsory</li> <li>Answer any three from the remaining questions.</li> <li>Figures to the right indeate full marks.</li> </ol>	
1.	Atte	empt any Four questions.  (a) What are the different interrupt sources?  (b) Write the difference between interrupt and polling.  (c) What is meant by assembler directive, explain any three.  (d) Explain the pipelining feature of PIC architecture.  (e) Explain the CCP module in PIC microcontroller	5 5 5 5 5
		Which are the different addressing modes of PIC18 microcontroller How the baud rate for serial communication is decided? Explain TXST registers used in serial communication.	
		Explain the concept to copy data between Program memory and Data view of this, explain any Four instructions associated with this proce Explain the different instruction formats used in PIC18F microcontractions.	SS.
		Write a program in C18 using TimerQ to generate a square wave of 200 on PORTB pin RB0. Use 16 bit programming technique with 64 presinternal frequency of microcoat offer is 10 Mhz.  Draw and explain the simple 10 device interface (switches and LEDs microcontroller and hence explain 10 addressing.	scaler, The
		What is Global Interrupt Enable (GIE) and PEripheral Interrupt Enable (with appropriate logical diagram. Also explain INTCON register. Write a program in assembly language to multiply and divide, two 8 busing PIC18 interocontroller.	
6.	(a)	Write short notes on any two  (i) Matrix keyboard and seven segment LED interfacing.  (ii) ADC interfacing with microcontroller.	20