Time	: 3 Hrs.	Marks: 80
N. B	 : 1) Question No 01 is compulsory. 2) Attempt any Three questions from the remaining question. 3) Each question carries 20 marks. 4) Figure to the right indicates full marks. 	s. 56/16/1965 196/1966 196/1966
Q. 1. A	Attempt any 04 sub-questions out of 05 sub-questions.	
]	I] Draw and explain the status register of Pic 18 microcontrolle	er (05 marks)
]	II] Compare the microprocessor with microcontroller	(05 marks)
Ι	III] Write a short note on Capture Mode of CCP module in Pic [V] Describe File Select Register (FSRx) and Stack Pointer (ST V] Explain the SPBRG register used in USART module of Pic	(05 marks) FKPTR) registers. (05 marks)
	V ₁ Explain the STERG register used in CSTART module of TR	(03 marks)
Q. 2.	A] What is mean by Assembler Directives? Explain any 05 a Pic18 microcontroller.	ussembler directives used in (10 marks)
	B] Explain the memory organization of Data Memory along Bank of Pic18 Microcontroller.	with the concept of Access (10 marks)
Q. 3.	A] What is mean by Addressing mode? Explain the addressing mode in the addressing mode in the addressing mode in the addressing mode.	ssing modes used in Pic18 (10 marks)
	B] Write a C program to generate 400 Hz frequency at RB3 pusing Timer0 operated in 16-bit mode. The crystal oscillator Timer prescaler of 128.	
Q. 4.	A] Draw and Explain the GIE and PEIE bits with referentinterrupt.	nce to simplified vectored (10 marks)
	B] Explain the TxSTA and RcSTA registers used in Umicrocontroller.	USART module of Pic18 (10 marks)
Q. 5.	A] Explain the Table Write operation along with the instructions associated with it.	
		(10 marks)
	B] Explain the ADCON0 and ADCON1 control registers microcontroller.	of ADC module in Pic18 (10 marks)
Q. 6	Write any 02 short notes.	
	i] LCD interfacing with Pic 18 microcontroller.	(10 marks)
	ii] DC Motor Interfacing with Pic 18 microcontroller.	(10 marks)
)	iii] Stepper motor interfacing with Pic 18 microcontroller	(10 marks)