QP Code: **6426**

		(3 Hours) [Total Marks:	80
	N. I	 (1) Question No. 1 is compulsory. (2) Attempt any three from remaining questions. (3) Assume suitable data if required. (4) Figures to the right indicate full marks. 	2
1.	Solv	ve Any four :-	20
		(a) What is the significance of STATUS register in PIC 18F.	
		(b) Compare microcontroller verses microprocessor	
		(c) Explain pipeline concept used in PIC 18F.	
		(d) List the general features of PIC 18 internally supported peripherals.	
		(e) Explain Watch dog timer.	
2.	(2)	Write short note on assembler directives.	10
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3.	(a)	Explain addressing modes of PIC 18F.	10
	(b)	Explain memory organization of PIC 18F	10
4.	(a)		10
	(1.)	and also explain how interrupt service routine is executed.	
	(b)	Explain briefly the architecture of PIC microcontroller.	10
5.	(2)	Explain different registers of PIC18F associated with serial	10
٥.	(a)	communication.	10
	(b)		10
6.	(i)	A switch (SW) is connected to pin RD7 (PORTD.7). Write a program	10
		to monitor the status of SW and perform the following:	
		(a) If SW=0, the stepper motor moves clockwise.	
		(b) If SW=1, the stepper motor moves counter clockwise.	
	(11)	The state of the s	10
		wave of 10ms on nin PORTR-3	