Total No	. of Que	stions :6]		80	SEAT No	o. :		
P28				[T	otal No. of Page	es :2		
Oct./ TE/ Insem 142								
T.E. (Electrical)								
ADVANCE MICROCONTROLLER & ITS APPLICATIONS								
(2015 Course) (Semester - I) (303141)								
Time: 1 Hour] Instructions to the cardidates:						[Max. Marks:30		
			1 O5 a	06				
1) 2)		Answer Q1 or Q2, Q3 or Q4, Q5 or Q6.						
3)		Near diagrams must be drawn wherever necessary. Figures to the right side indicate full marks.						
4)		Assume suitable data, if necessary.						
ŕ								
01)	OXO			1		1 0	F. (7)	
Q1) a)	Draw	Draw the status register and explain the function of each flag. [6]						
b)		On execution of the following program state the memory location in						
	whic	which contents of WREG are copied. [4]						
	#incl	#include <p18f458.inc></p18f458.inc>						
	ORG	ORG 0x00						
	MOV	MOVLB 0X01						
	MOV	MOVWF 0X60,0						
	END		6.			× C		
OR								
Q2) a)	Expl	Explain any three addressing modes of PIC18 microcontroller. [6]						
~ /		×)	C		-0) 'O: _X		
b)	Expl	Explain the function of Bank select register. Write an instruction in						
	asser	nbly language whi	ch will	l select BANK 1		2	[4]	
				6	, 68	/		
Q3) a)	Expl	ain the instruction			20/		[6]	
	i)]	MULWF 0x20,0	ii)	BTFSC 0X20	iii)	MOVLW 0X	(A0	
	Note	Note that Generalized formats for above instructions are as follows.						
		MULWF f,a	ii)	BTFSC p,b,a		MOVLW k		
	1)	1V1ULVV1'1,a	11)	D1136 1,0,a	ш)	IVIO V L VV K		

P.T.O.

