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VI TH SEMESTER

Mid Semester Examination

Roll No............

B.Tech (ECE)

Feb 2019

EC-306 Embedded Systems

Time : $1\frac{1}{2}$ Hrs

Maximum Marks: 20

Note: All questions are compulsory. Assume missing data if any.

1		Differentiate the following	2
	a	BSR and FSR	
	b	TBLRD*+ and TBLRD+*	
2		Write an assembly Language program of PIC microcontroller for displaying a desired digit using seven segment display.	3
3	a	Does PIC microcontroller support Pipeline operation? Justify your answer using timing diagram	2
	b	Configure TIMER 2 of PIC microcontroller for 1 ms delay	3
4	a	What are the interrupt sources of PIC microcontroller	2
	b	Write an assembly language program for finding out all even numbers among 10 eight bit numbers	3
5	a	Differentiate between privileged and user mode of ARM microcontroller	2

Explain the following instructions

  i. LDR r0,[r1],#4   3

 ii. MVN, r1, N

iii. TST r0,r9