Hall	Ticket Nu	ımh	er.					14C)	5 11403	
		II/	IV B	.Tec	h (R	egula	ar/Su	upplementary) DEGREE EXAMINATION		
Apri	1, 2017							Common for	SE & IT	
	th Semest Three Hours	-						Computer Organ Maximum		
Answer Question No.1 compulsorily.							(1X12 =	(1X12 = 12 Marks)		
Answer ONE question from each unit.								(4X12=	(4X12=48 Marks)	
1. Ans 2.	d) What a e) List out f) What is g) What is h) What is i) What is j) What is k) What a l) What is	Thro pasic lo you re vii t Var s kno s an i s writ s loca s a M re the the a	performance tual ious with a midex re-through the step A?	an by and I brands Mu regis rough of ref ry Co os rec	nce e out- logica ching llti-P ster? n Proference ontro quired	quation of or all additional addi	on. der eder edress niqu clock ? a pip	execution? Is it Desirable? less? le used in micro program control unit? king? belined processor to process the instruction? UNIT I un different addressing modes in detail.	(6M)	
	b) Explain of differe							a digital computer. Mention the functions ii)MAR iii)PC (OR)	(6M)	
3.	 a) Write the procedure for integer division for dividing (101101)2 (45)10 by (000110)2 (6)10 b) Write the use of Rotate & Shift instructions with examples. UNIT II 								(6M) (6M)	
4.	*							of a CPU in detail.	(6M)	
	b) Explain	nizations in micro programmed control. (OR)	(6M)							
5.	taking a	n exa	mple	.				wo binary numbers. Explain the working of the algorithms by look ahead adder. Show how 16-bit CLAs can be	m (6M)	
	constructe			•	•			example.	(6M)	
6.								UNIT III ro programming control unit. ain asynchronous data transfer with hand shaking	(6M)	
	signals.	(OB)	(6M)							
7.								(OR) v data hazards effect pipelining. es in cache design. Compare the schemes in terms of	(6M)	
	cost and	perf	orma	ince.				UNIT IV	(6M)	
8.	scheme	s woi	k? E	Explai	in		_	priority controllers? How do the different priority	(6M)	
	(b) What ar attending							oring out the methods involved in the processor	(6M)	
9.	(a) Discuss (b)Write sh			_				(OR) the operation of SCSI bus in detail. bus	(6M) (6M)	