CONTINUOUS INTERNAL EVALUATION– 1

Dept:CSE	Sem / Div: 3/A&B	Sub:Computer Organization	S Code:18CS34
Date:20/10/2020	Time: 2:30-4:00	Max Marks: 50	Elective:N
Note: Answer any 2 full questions, choosing one full question from each part.			

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QN		Questions	Marks	RBT	COs
		PART A			
1	a	Describe the basic operational concepts between processor and memory.	10	L2	CO1
	b	Explain the basic instruction types with example	10	L2	CO1
	c	How to measure the performance of a computer? Explain.	5	L3	CO1
		OR			
2	a	Explain different types of addressing modes with example.	10	L2	CO1
	b	Explain various shift and rotate instruction with diagram and explain.	10	L2	CO1
	c	With a memory layout starting at address “i” represent how “ABCD” data is stored in big endian and little endian assignment scheme in a system of word length 16 bits.	5	L3	CO1
		PART B			
3	a	With a neat diagram, explain the centralized arbitration and distributed bus arbitration scheme	10	L3	CO2
	b	With supporting diagram; explain the following with respect to interrupts i)Interrupt Nesting ii)Simultaneous requests	10	L2	CO2
	c	With neat diagrams, explain how to interface printer to the processor.	5	L2	CO2
		OR			
4	a	With the help of timing diagram, briefly discuss the main phases of SCSI bus involved in its operation.	10	L3	CO2
	b	With a neat diagram, explain about how data is read in asynchronous bus scheme	10	L2	CO2
	c	Illustrate the tree structure of USB with diagram	5	L2	CO2

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