[Maximum marks: 100

B. Tech. 4th Semester (CSE) F. Scheme Examination, May-2014 COMPUTERARCHITECTURE AND ORGANISATION Paper-CSE-210-F

No	te: (i) Q. No. 1 is com	ipulsory			
	(ii) Attempt four q parts selecting				
1.	Write note on the following:					
	(a)	Latches	(b)	Registers		
	(c)	Multiplexers	(d)	RAM		
	(e)	ROM	(f)	Micro-instruc	tions	
	(g)	Main memory	(h)	Cache memor	y 20	
		Pa	rt–A			
2.	(a)	Describe different type of flip-flop with suitable				
		examples.			10	
	(b)	Define the perform	mance m	etrics.		
		(i) MIPS	(ii)	MFLOPS	10	
3.	Describe Flynn's classification of computers in detail					
	with		20			

Time allowed: 3 hours]

Part-B

4.	(a)	Difference between RISC and CISC.	10
	(b)	Define the operations in the instruction set?	10
5.		ine addressing modes. Explain different types example.	of i
		Part-C	
6.	(a)	Explain associative and direct mapped ca organization.	ache
	(b)	Explain Micro instruction sequence counter.	10
7.		at are the basic non-pipelined CPU architects? Explain register and stack based architects. Part-D	
-		rart-D	
8.	(a)	What is parallelism? Explain type it.	10
	(b)	What do you know Amdhali Law? Explain diagram.	with
9.	(a)	Explain three types of instructions in 8 in detail.	08 <i>6</i>
	(b)	Explain the types of the interrupts in 8	086
		in detail.	10