COMPUTER SYSTEM ARCHITECTURE

Time: Three Hours]			[Maximum Marks:100	
	14-18-3	SECTION-A		
1.	(a)	Define Computer Architecture. How is it	different	
	4:33	from Computer Organization?	8	
	(b)	Explain Direct, Indirect, Implied and In	nmediate	
		Addressing modes.	12	
2.		at is Machine Instruction? List the common		
		present in the format of instruction. Explain	different	
	type	es of instruction formats giving examples.	20	
3.	(a)	Differentiate characteristics of RISC and	CISC.10	
	(b)	What do you mean by in Interrupt? Explain	in various	
		types of interrupts.	10	
		SECTION-B		
4.	Write short notes on the following:			
	(a)	Register transfer language.	10	
	(b)	Airthmetic micro-operations.	10	
5.	Explain Microprogram control organization. 20 SECTION-C			
6.	(a)	What do you mean by Memory Hierchy	? Explain	
		in brief.	10	
	(b)	Discuss the role of Interleave Memory in	reducing	
		the speed gap between processor a		
	A State of the	memory.	10	
7.		Explain Associate Memory in detail giving structure of it. Discuss Read and Write operations of Associate memory.		
			20	
8.		at is Virtual Memory? Explain 'Address mapp		
	Pag	gs' and 'Page Replacement Policies'.	20	

SECTION-D

What do you mean by DMA interface ? State its 9. components. Explain how DMA is useful in information transfer between CPU and I/O devices. 20

Write notes on the following:

10. Input-Output processor. 10

Strobe control and Handshaking. 10