Roll No Total Pages: 2					
		BT-5/D-21 45201			
C	OM	PUTER ORGANIZATION AND ARCHITECTURE			
Paper-PC-IT-305A					
Tim	e Al	lowed: 3 Hours] [Maximum Marks: 75			
Not	e :	Attempt five questions in all, selecting at least one question from each Unit. All questions carry equal marks.			
UNIT-I					
1.	(a)	Explain Von-neumann model of Computer.			
	(b)	Explain the essentials of Multilevel view point of Machine. 7			
2.	Сус	at do you understand by Computer Instruction? Discuss Instruction ele. Explain Memory reference, Register reference and Input-output ructions.			
		UNIT-II			
3.	(a)	Explain Register Transfer Language (RTL) with example.			
	(b)	Discuss the essentials of designing of Control Unit.			
4.	Exp	plain the following with suitable representation: $5\times3=15$			
	(a)	Arithmetic Micro Operation.			
	(b)	Logical Micro Operation.			
	(c)	Shift Micro Operation.			

UNIT-III

 Explain the functioning of Central Processing Unit (CPU). With suitable examples, explain the essentials of Accumulator, Register, Stack and Memory.

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6.	(a)	Explain Program control and Program Interrupt.	8		
	(b)	Compare and contrast RISC and CISC.	7		
UNIT-IV					
7.	(a)	Compare Ram and ROM with their types and examples.	8		
	(b)	What is Cache Memory? Explain Associative and Direct mapped Cache.	ec 7		
8.	Exp	lain the following in detail:			
	(a)	Direct Memory Access (DMA).	8		
	(b)	Input-Output Processor.	7		

