	,	ام	Subject Code: 49314 / Digitals	
	em	111		
111/2	02	2_	47 & D 2, Nov. Dec	80
N.	B.	1.	Question N (5 nours)	
		2.	Attempt any three constitutions	
		3. 4.	Attempt any three questions from remaining five questions Assume suitable data if necessary and justify the assumptions	
			indicate full most	
Q1	A		Convert	71.
			i) 123 in to binary ii) (AB9): :	05
			ii) (AB9) ₁₆ in to Decimal iii) (351) ₈ in to decimal iv) 129 in to PCP	
			iv) 129 in to BCD	
			v) 64 in to gray code	
	E	3	Draw the diagram of the control of t	
01		,	Draw the single and double precision format for representing floating point number using IEEE 754 standards and explain the various fields Differentiate by	05
	Γ)	Explain SR Flip Flop Differential Flop	05
	L		Differentiate between Hardwired control	05
Q2	P	Í,	Differentiate between Hardwired control unit and Micro programmed control unit Draw the flow chart of Booths J.	05
	4		Draw the flow chart of Booths algorithm for signed multiplication and Perform -	10
	ሳ ነ ጋ F	3	Explain 4	10
			Explain the different addressing modes.	
Q3	F	Ą	For 132.65 obtain the IEEE 754 standards of Single precision and Double precision Explain Micro instruction for	10
	×.I	ें २	format The Fig. 154 standards of Single precision and Double precision	10
	ś. '	,	Explain Micro instruction format and write a microprogram for the instruction $ADD\ R_1$, R_2	
3			a microprogram for the instruction	10
Q4		A ,^,	Consider a 4-way set associative mapped cache with block size 4 KB. The size of the 1. Size of cache main there are 10 bits in the tag. Find-	
		?"	main memory is 16 GB and there are 10 bits in the tag. Find-	10
			1. Size of cache memory 2. Tag directory size	
			그래 그는 경찰 그는 것이 모든 생물을 가장 살아 보고 있다.	
-,01 -,41]	В	Explain Flynn's classification	
~		9		10
Q.) ^ ; / 	A	Explain different types Distributed and Centralized bus arbitration methods	
	l	В	Describe the detailed Von-Neumann Model with a neat block diagram	10
	(C	Describe the characteristics of Memory.	05
	~.	Sal.		05
Q	5 (?)		Write Short notes on	
	· ·		a) Grey code, BCD, Excess-3 Code with example	20
6.2			b) Encoder and Decoder	
Ţ.		Š.	실하는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은	
		,	c) Cache coherence	
į,	5		d) Instruction Ripelining	
17.				