			(3 Hours)	[ Total Marks	:80
N.1	В. :	(1) Question	No.1 is compulsory		
		(2) Solve any	y three questions out of remaining five que	stions.	
		ON SERVICE OF STATE OF STATE OF	suitable data if necessary.		
		(5) 110041110	a2zSubjects.com	n	
1	80	lve any four o	지하는 경우 10명		20
1.	30		entiate between RISC and CISC		20
			are the functions of following registers?		
			) PC (ii) SP (iii) MAR (iv) MDR (v) IR		
			a note on interrupt execution.		
			e Stored Program Concept and draw Von-Neur	nann's architecture	
	*		is meant by nanoprogramming?		
2.	(a)	Multiply (-3) and (4) using Booth's Algorithm.			10
	(b)	Explain 6 stage instruction pipeline with suitable diagram.			10
3.	(a)	Compare SF	RAM & DRAM.		
	(b)	Consider the string 1,3,2,4,2,1,5,1,3,2,6,7,5,4,3,2,4,2,3,1,4			
			ge faults for 3 frames using FIFO and LRU	page replacement	10
		algorithms.			
4.	(a)	Divide 11 by	y 2 using restoring division algorithm.		10
	(b)	What is mea cycle? Expla	nt by Fetch cycle, Instruction cycle, Machine ain in brief.	cycle and interrupt	10
5.	(a)	Explain diffe	erent mapping techniques of Cache memory		10
	(b)	What is virt virtual mem	ual memory? Explain the role of paging an ory.	id segmentation in	10
6.	(a)	Explain diffe	erent addressing modes with example.		10
	(b)	What is the	need of DMA? Explain its various technique	es of data transfer.	10