8R	8R	8R	3R	8R	8R	SR						
2 D	00	HARLAL NEHRU B.Tech II Yes CO		Examinations, Ap GANIZATION	oril - 2018	R16 RABAD ax. Marks: 75	9					
	Note: This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.											
3R	32	88	SPART	'- A SR	8R	(25 Marks)	8					
8R	b) Compa c) Differed d) Briefly e) What i f) Explai g) Explai h) Differed i) Explai	n RTL and its contrare horizontal and ventiate jump and local explain special prosents an assembler? In the machine code n overflow and undentiate isolated I/O and the cache incohern the locality of references.	ertical organization instructions. occasor activities for: LES DI,[06 erflow. and memory magence.	OOH] and NEG 5	0[BP].	[2] [3] [2] [3] [2] [3] [2] [3] [2] [3]	8					
87	88	SR	S PART	T-B 8 =	88	(50 Marks)	8					
	,	nd explain different mance.	t performance m	neasures used to	represent a con	nputer system						
	1	ate the functioning	of a Micro progra OR			[5+5]						
88	b) Formu	ate common bus syllate a mapping proputine. The operation	stem.	vides eight conse	ecutive micro in nory has 4096 w	nstructions for yords. [5+5]	S					
	4.a) Explai b) Elucid	n the register organ ate machine langua	ization in 8086. ge instruction for O R		8	[5+5]						
82	b) Explai	n the pin configurate n the assembler dire	ectives with exan	nples	3R	≥[\$+ 5]	8					
	b) Write	n the steps involved a program to find o series of signed num	ut the number of	positive numbers	sembler. s and negative n	umbers from a [5+5]						
parente accounting	7.a) Add th	ne contents of the m	emory location	4000H:0600H to	contents of 500	0H:0700H and	<i>~</i> ~~					
성국	b) Write	he result in \$000H: a program for addit	ion of two numb	ers. 🤇 🧮	ST.	ुंड+इ]≺						

SR	8.a) Draw a t	flow chart for Flore asynchronous c	eating point Add/ communication in	/subtract operatio	8 R	87	
87	9.a) Explain b) Explain 10.a) Explain b) Elucidate 11.a) Elucidate	in detail with nead different types of arithmetic pipeline Inter processor array processor	at sketch Booth M f modes of contro ne with example. communication.	R Multiplication Algol. R	gorithm.	[5+5] [5+5] [5+5]	
8R	8 R	8 2	8P	8. 8.	8R	[5+5]	
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87	8 -	8R	8R	8R	88	88	
8.7	88	87	88	3	8.7	3 R	\(\frac{\chi}{\chi}\)
8 R	82	8 -	8	8 P	3 -	87	
87			82	8 <u></u>	82	8 R	{
8R	8R	8 ?	37	82		88	\(\frac{1}{2}\)