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SVS 323 B - 14

B.Sc. Vth Semester Degree Examination

		Pa	aper ection rom S	ection - B		
Instru	i ctio i) ii)	Ours ns to Candidates: Answer all questions from S Answer any five questions fr	aper ection rom S	- 5.2 Maximum Marks: 80 n - A ection - B		
Instru	i ctio i) ii)	ours ns to Candidates: Answer all questions from S Answer any five questions fr	ection com S	Maximum Marks: 80 n - A ection - B		
Instru	i ctio i) ii)	ns to Candidates: Answer all questions from S Answer any five questions fr	om S	n - A ection - B		
	i) ii)	Answer all questions from S Answer any five questions fr	om S	ection - B		
	ii)	Answer any five questions fr	om S	ection - B		
	•					
	•••,	maner any jeur questions y	. 0111			
		S	ectio	n - A		
1. (Cho	ose the correct answer		(5×1=5)		
(i) Four control signals in a multiplexer can select						
`	`	a) 8 input lines	b)	16 input lines		
		c) 8 output lines	d)	16 output lines		
((ii)	An 8-bit µp signifies that it has	,	_		
		a) an 8-bit address bus	b)	an 8-bit control bus		
		c) an 8-bit internal line	d)	an 8-bit data bus		
((iii)	The instruction MOVA, B below	ngs to			
		a) Immediate addressing	b)	Direct addressing		
		c) Implied addressing	d)	Register addressing		
(iv) Which of the following interrupts of 8085 has highest priority 1						
		a) TRAP	b)	INTR		
		c) RST 6.5	d)	RST 2.5		
(v) Which of the data transfer is not possible in a μp?						
		a) Memory to accumulator		Accumulator to memory		
		c) Memory to memory	d)			
		n the blanks		(1×5=5)		
((i)	A—————is a logic circuit that accepts one data input and distributes it				
		over several outputs		1:54		
•	•			-bit D/A converter is approximately 0.4 percent		
		An EPROM is a	-			
(iv) NOP instruction of 8085 μp performs———operations						
((v)	Stack resides in ————				

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(1)

[Conta

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3.	State whether the following statements are True or False (1×5)			
	i) Dynamic RAM needs refreshing circu	it.		
	ii) Op-amp is used in both A/D and D/A c	onverters		
	iii) The clock frequency of 8085 micropre	ocessor is 6.14 MHz		
	iv) The total number of status flags in 808	35 microprocessor in eight.		
	v) A three byte Instruction requires only	one fetch cycle for its execution		
	Section - 1	<u> </u>		
	Answer any five questions		(5×5=25)	
4.	With a neat diagram explain the working of 1 to 4 demultiplexer			
5.	With a neat diagram explain the EPROM			
6.	What are timing and operation status?			
	Explain with neat timing diagram the operatio	n fetch		
7.	What is stack? Explain PUSH and POP operat	ion		
8.	How many general purpose registers are pres	ent in 8085 microprocessor?		
	Explain the functions of Accumulator and pro-	gram counter		
9. .	Write an assembly language program to find logical AND ing of two 8-bit numbers			
10.	0. Explain the instructions XCHG and XTHL			
	Section - C			
	Answer any four questions	(4:	×10=40	
11.	1. With a neat diagram explain the working of R-2R	ladder method of digital to analog of	converte	
12.	2. With a neat diagram explain static RAM			
13.	3. Draw the block diagram of 8-bit 8085 µp and ex	plain operation of each block		
14.	 Explain the addressing modes of 8085 μp 			
15.	5. With a neat diagram explain the working of 825	5 parallel peripheral interface		
16.	6. Write short note on		(5+5)	
	a) Subroutines			

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b)

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