

1 MB

16 MB

(iv) 4 KB

(ii)

E #	(d)		cable uses light signals to transmit data.	1
	**	(i)	Fiber Optic	27 28
	M5	(ii)	Coaxial	
		(iii)	UTP	
	(h) (#4)	(iv)	STP	
(B)	Solve	e any	two of the following:	**************************************
	(a)	Expl	ain functions of the following pins of 8085 Microprocessor:	3
		(i)	Multiplexed address/data bus pin (AD0 - AD7)	
	to the second se	(ii)	RST 6.5	×
	2)	(iii)	CLK (OUT)	
	(b)	M 50	e the addressing mode and length in bytes of the following uctions:	3
	*	(i)	CPI 10 H	tis Mi
39 E		(ii)	MOV M, B	8
		(iii)	SHLD C009 H	v e
	(c)	Cabl	pare any three characteristics of Twisted Pair Cable with Coaxial e.	3
2. (A)	Solv	e any	two of the following:	
49 61	(a)	Defi	ne the following terms with suitable diagrams:	3
	62 70	(i)	T State	δe
		(ii)	Machine Cycle	74
76		(iii)	Instruction Cycle	51
3.* 3.* 3.**	(b)	Wha	it is Wireless Media? Write any two advantages of Wireless ia.	3
	(c)	regis	accumulator in 8085 microprocessor contains data 71H and ster E contains data 39H. What will be the contents of an mulator in Hexadecimal after execution of the following instructions	7270
	€0	inde	pendently?	3
		(i)	ADD E	8
	; ·	(ii)	ORA E	N N
		(iii)	RRC	19

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[Contd.

15	(B)	Solve	any one of the following:	
		(a)	What is Microcontroller? State any three advanced features of 8052 microcontroller over 8051 microcontroller.	4
5 GE	遊	(b)	What is Vectored Interrupt? State all hardware interrupts with their vectored addresses, write the priorities of hardware interrupts.	4
3.	(A)	Solve	any two of the following:	
685 685		(a)	Write any three difference points between Memory Mapped I/O and I/O Mapped I/O Addressing Scheme.	3
e de la companya de l	a	(b)	Explain the following instructions of 8085 Microprocessor with one example of each:	3
			(i) PUSH PSW	25
	8		(ii) INX rp	
		**	(iii) DAD rp	
		(c)	Write a short note on Modem.	3
	(B)	Solve	any one of the following:	
	že	(a)	Write any two features of following Microcontrollers:	4
			(i) 8048	復
	¥.	3 3	(ii) 8052	
	51 EV		(iii) 8031	N .
	96		(iv) 8050	
		(b)	What is Ehternet? Discuss different types of Ethernet.	4
4.	(A)	Solve	e any two of the following:	
		(a)	Compare any three attributes of 80386 and 80486 Microprocessor.	3
	.28	(b)	Write any three instructions to make Accumulator Zero.	3
		(c)	What is Microprocessor? List its functions.	3
25	(B)	Solve	e any one of the following:	
13 2	10 30	(a)	Write a function of following functional units of 8085 Microprocessor:	4
		¥ 28	(i) Instruction Decoder	
	72		(ii) General Purpose Register	* **
			(iii) Data / Address Buffer	
			(iv) Status Register	19 j
		(b)	What is Transmission Media? Explain in short six characteristics of Transmission Media.	4
				400

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5. Solve any two of the following:

(a) Write a Assembly Language Program to copy a block of data having starting address 4500 H to new location starting from 4600 H. The length of block is stored at memory location 44FF H.

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(b) Write an Assembly Language Program to add two 8-bits BCD numbers stored at memory location 4500 H and 4501 H. Store the two byte BCD result from memory location 4502 H onwards.

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(c) Write an Assembly Language Program to fill the memory locations 4500H to 4504 with the Hexadecimal numbers 09 H to ODH respectively.

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OR

5. Solve any two of the following:

(a) Write an Assembly Language Program to exchange the nibbles of 8-bit number stored in memory location 4500H. Store the result at memory location 4501H.

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(b) A block of data is stored in memory location 4500 H. The length of block is stored in memory location 44FFH. Write an Assembly Language Program that searches for the first occurrence of data D9H in given block. Store the address of this occurrence in H.L. pair. If the number is not found then HL pair should contain 5000 H.

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(C) A block of data is stored from memory location 4501H and onwards. The length of the block is stored at memory location 4500H. Write an Assembly Language Program to find the sum of block of data. Store the two byte result from memory location 4600 H.

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