Roll No	o Total No. of Pag	Total No. of Pages : 2		
	BT-6/JX 8	3702		
	Computer Hardware Technologies			
	Paper—CSE-304			
Time: T	Chree Hours] [Maximum Marks	: 100		
Note :-	— Attempt FIVE questions, selecting at least ONE question	n from		
	each unit.			
	UNIT—I			
1. (a)	Name the two basic types a RAM chip in the PC can have	e, and		
	compare the two.	4		
(b)	What are the three major components that make up a m module? Also explain the following forms of memory ty			
	(i) SIMM (ii) SIPP (iii) DIMM and (iv) RIMM.	6		
(c)	Explain the following:			
	(i) DDR-SDRAM (ii) EDRAM.	6		
(d)	Write a short note on parity checking and its importa memory chips.	nce in 4		
2. (a)	Name the different types of power supplies. Explain the wood Switch Mode Power Supply, its types, merits and den			
(b)	Discuss the significance of the form factor of a power s	upply.		
	the first term to exper usually the commercial and	4		
(c)				
	troubleshooting.	6		
	UNIT—II			
3. (a)	List down the functions of a motherboard.	. 5		
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	(b)	Name the three types of buses in PCs. Discuss expansion buses			
		in detail.	15		
4.	(a)	Write short notes on :—			
		(i) Bus Controller (ii) Programmable Interrupt Controller.	8		
	(b)	A typical PC BIOS consists of four main modules. State	and		
		explain in brief the function of each module.			
	(c)	What do you mean by CMOS and CMOS setup? Are E			
		and CMOS setup the same things?	5		
		UNIT—III			
5.	(a) State and explain the various commonly used data transfer modes				
		for IDE devices.	15		
	(b)	Which of the two SCSI and IDE is better and why? Expl.	ain.		
		No.	5		
6.	(a)	What types of connectors are used for serial ports and parallel			
		ports?	6		
	(b)	Differentiate between DTE and DCE.	4		
	(c)	Write a short note on video adapters and their troubleshoo	ting.		
			10		
		UNIT—IV			
7.	(a)	Explain the following:—			
		(i) Bootable CD ROM (ii) Multisession CDs (iii) Disc-at-	once		
		(iv) Track-at-once.	10		
	(b)	Briefly discuss the different types of connectors used i	n PC		
		keyboards.	5		
	(c)	Write a short note on hard disc drive.	5		
8.	(a)	State and explain the different types of Mice.	7		
	(b)	Discuss the basic building blocks of a laser printer.	6		
	(c)	Write short note on flat panel display technologies.	7		
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