

## **SB-1403**

## First Year B. C. A. (Sem. I) Examination March / April - 2011

Introduction to Computers				
Time: I	Hours]	[Total Marks:		
Instruct	ions:			
Name of the Name o	uction to Computers	Seat No. :  Nil  Student's Signature		
	questions are compulsory. ks to the right indicate full marks	s.		
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11)	wer the following in brief: Differentiate between palmtop an What is databus, address bus? What is ASCII? Define term volatile and non vol List different type of printer based Explain the concept of post. What is direct addressing mode? Define term BUS and PORT. What is the unit for data transfe What is BIOS? List different categories of monite What is PDA?	atile. on features its offers. ? er rate ?		
2 Atte (a)	empt any two: Give the difference of following: (1) Sequential access device vs. (2) Cache memory Vs. Virtual in			

- (b) Explain the features of Hard disk in detail.
- (c) State benefits of storage devices.

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3	Ans	wer the following questions:	21
	(a)	Give the detailed classification of computers. Explain	
	4.)	any one in detail.	
	(b)	What is RAM? Explain different types of RAM.	
	(c)	Write a note on microprocessor.	
		OR	
	(a)	Explain Hardware and Software with diagram showing various categories of Hardware and Software.	
	(b)	Write a note on block diagram of computer and explain	
	(c)	its functional units. Explain addressing modes in detail.	
	(c)	Explain addressing modes in detail.	
4	Ans	wer the following questions :	12
	(a)	Write a note on DVD-ROM.	
	(b)	Explain OCR and OMR in detail.	
		OR	
<b>4</b> (a)	Write a short note on inkjet printers.		
	(b)	Explain flat panel monitors in detail.	
5	Atte	empt any five:	15
9	(1)	$(123.23)_{10} = (?)_2$	10
	(2)	$(BCA)_{16} = (?)_2$	
	(3)	$(A23F6.45)_{16} = (?)_8$	
	(4)	Addition: $(100111)_2 + (10011)_2$	
	(5)	Subtraction: $(ABCD)_{16} - (56CF)_{16}$	
	(6)	$(2573)_8 = (?)_{16}.$	

**21** 

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