Bachelor of Science (B.Sc.) Semester—I Examination COMPUTER SCIENCE (FUNDAMENTALS OF INFORMATION TECHNOLOGY) Optional Paper—2

		Optional Paper—2			
Tim	e : T	hree Hours]	[Maximum Marks : 5	0	
N.B. :— (1) ALL questions are compulsory and carry equal marks.					
(2) Illustrate your answer with suitable diagram wherever necessary.					
EITHER					
l.	(a)	Draw-the block diagram of computer and describe the function of each	h block of the compute	r.	
	` '			5	
	(h)	What is bus? Describe various types of buses.		5	
	OR	while is out . Describe various types of outes.	•	_	
		What is the need of translator 2 Weits the difference between and	unilar and internustor		
	(c) What is the need of translator? Write the difference between compiler and interpreter.				
	(4)	De se divested :	•	2	
	(a)	Do as directed:			
		(1) $(357E)_{16} = ()_{80}$		_	
	*****	$(2) (12345)_{10} = ()_2.$	-)	
		HER			
2.		What is memory? Explain cache memory in detail.	5		
		Explain how data is organised in hard disk.	5	5	
	OR				
	(c)	Explain:			
		(1) EEPROM			
		(2) ROM in detail.	5	i	
	(d)	Write a short note on zipdisk.	5	;	
	EIT	HER			
3.	(a)	List five input devices and explain any two.	5	.1	
	(b)	Explain MICR and bar code reader.	5		
	OR				
	(c)	What is the difference between impact and non-impact printer?	5		
		Explain flatbed plotter.	5		
	EITHER				
4.	(a)	Write short notes on:			
		(1) LAN			
		(2) WAN.	5		
	(b)	Define network topology. Explain star and mesh topology in detail			
	OR				
	(c)	Write short notes on:			
	-	(I) Hub			
		(2) Repeater.	5		
	(d)	What is modem? What are the main features of modem ?			
5,	(a)	Solve $(8AD)_{16} = (?)_2$	5 2½		
	(b)	Explain: SRAM in detail.	21/2		
		Explain the working of light pen.	21/4		
		Write a short note on Bluetooth.	21/2	-	
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