Enrollment No: Exam Seat No: C. U. SHAH UNIVERSITY Winter Examination-2022								
Subject Nan	ne : Computer Basics and Orga	anization						
Subject Code: 4CS01ICO2		Branch: B.Sc.I.T.						
Semester: 1	Date: 05/01/2023	Time: 11:00 To 02:00	Marks: 70					
(2) Instr (3) Drav	of Programmable calculator & a uctions written on main answer we neat diagrams and figures (if name suitable data if needed.		prohibited.					
Q-1	Attempt the following question	ons:	(14)					
a)	Computer address bus is							
	A. Unidirectional	B. Bidirectional						
	C. Multidirectional	D. Allowed Logic Unit						
b)	Which of the following circuit							
	A. Decoder	B. Flip flop						
	C. Encoder	D. None of these						
c)	The collection of 8 bit is called							
	A. Nibble	B. Word						
•	C. Byte	D. Record	0					
d)	_	computer stores it data in memor	ry?					
	A. Decimal	B. Binary						
`	C. Hexa Decimal	D. Octal						
e)	The status bit is also called as?							
	A. Signed bit	B. Unsigned bit						
P \	C. Flag bit	D. None of these						
f)	<u> </u>	rse the output obtained is						
	A. And C. Not	B. XOR						
<i>a)</i>		D. None of these						
g)	Which of the following topolog A. Bus	•						
	C. Star	B. Ring D. Mesh						
b)		nbinational logic circuit that has 2	In input					
11)	lines and a single output line?.	nomational logic effect that has a	zn mput					



A. MultiplexerC. Decoder

B. Demultiplexer

D. Encoder

	i) Keyboard and mouse comes under which device?						
		A. Input device	B. Output device				
		C. Both A & B	D. None of these				
	j)	The binary equivalent of the decimal number 10 is?					
		A. 1010	B. 1100				
		C. 1111	D. 1101				
	k)	Which of the following is not a type	pe of computer code?				
		A. EBCDIC	B. BCD				
		C. ASCII	D. EBCI				
	l)	Wi-Fi stands for?					
		A. Wireless Fidelity	B. Wireless Function				
		C. Wired Fidelity	D. Wireless Foreign				
	m)	m) In the transmission mode, communication is unidirectional.					
		A. Simplex	B. Half Duplex				
		C. Full Duplex	D. Hybrid				
	n)	DMA stands for	•				
		A. Direct Memory Allocation	B. Data Memory Access				
		C. Direct Memory Access	D. Data Memory Allocation				
Attem	pt any	four questions from Q-2 to Q-8					
Q-2		Attempt all questions:					
	a)	Explain generation of computers.		(5)			
	b)	Describe various components of c	omputer block diagram.	(5)			
	c)	Explain CRT.		(4)			
Q-3		Attempt all questions:					
		Discuss main frame computer.		(5) (5)			
	,	Explain printer in detail.					
	c)	Discuss binary addition and subtra	action.	(4)			
Q-4		Attempt all questions:					
	a)	What is computer system? Explain	n various characteristics of computer	(7)			
	b)	Discuss Wi-Fi and Li-fi. Different	iate Wi-Fi and Li-fi	(7)			
Q-5		Attempt all questions:					
	a)	Discuss Magnetic tape in details		(7)			
	b)	Explain stack organization in deta	il	(7)			
Q-6		Attempt all questions:					
	a)	Discuss types of computers in detail					
	b)	Define: bit, byte, nibble, BCD, AS	SCII, EBCDIC and RAM	(7)			
Q-7		Attempt all questions:					
	a)	What is memory? Explain various	type of memory in details	(7)			



	b)	What is the role of full adder and half adder? Describe both in detail	(7)	
Q-8		Attempt all questions:		
	a)	What is Decimal and Binary number system? Discuss conversion of both	(7)	
		system with example		
	b)	Discuss ASCII and EDBDIC Code in detail	(7)	

