C.U.SHAH UNIVERSITY Winter Examination-2020

Subject Name: Computer Basics & Organization

	Subject	Code: 4CS01BCB	l	Branch: BCA			
	Semeste	er: 1 Date	: 10/03/2021	Time: 03:00 To 06:00	Marks: 70		
	 Instructions: (1) Use of Programmable calculator & any other electronic instrument is prohibited. (2) Instructions written on main answer book are strictly to be obeyed. (3) Draw neat diagrams and figures (if necessary) at right places. (4) Assume suitable data if needed. 						
Q-1	 a) b) c) d) e) f) g) h) i) j) k) l) m) 	Attempt the follow Write a full form of Define : Number S 4 Nibble = bit. Write full form of Find 2's compleme Define Interrupt. Write a full form of Write a full form of Write a name of fin Write full form of Write full form of Write full form of Write full form of Write full form of	f DMA. ystem PROM. ent of (11011111) f DVD. f IBM. dard for WiMAX? rst microprocessor LCD of main frame com MICR.			(14)	
Atte	empt any	four questions from	n Q-2 to Q-8.				
Q-2	(a) (b)	•	by Asynchronous	Data Transfer? Explain in detail RAM and ROM with its types		(14) 07 07	
Q-3	(a) (b) (c)	Attempt all quest Write a short note Write a short note Explain Computer	on Wi-Fi on GPS			(14) 04 03 07	
Q-4	(a) (b)	Attempt all quest Explain 4:1 MUX. Enlist and explain		Computer.	Page 1 of 2	(14) 07 04	



(c)	Explain Ports.	(any three)
(\mathbf{c})	Explain 1 ones.	(uny unce)

Q-5			(14)
	(a)	Explain AND,OR,NOT,NAND,NOR,XOR,XNOR gate with its logical symbol, truth table, equation.	07
	(b)	Explain Duplex system.	03
	(c)	Explain Assembler, Interpreter and Compiler.	04
Q-6	(a) (b)	Write a short note on Mouse and Keyboard. Explain Scanner with its types.	(14) 07 07
Q-7	(a)	Do as directed :	(14) 07
	(b)	1. $(144)_{10} = (?)_2$ 2. $(10110111)_2 = (?)_8$ 3. $(1010110) + (1101)$ 4. $(11010) - (001)$ 5. $(56)_{10} = (?)_8$ 6. $(64)_8 = (?)_{16}$ 7. Find 2's complement of (10010111) Explain: Stack Operation with example.[Perform 5*4+3*2]	07
Q-8	(a) (b) (c)	Explain Printer with its types. Write a note on: Magnetic Tape. Explain: Half Adder.	(14) 07 03 04

