Enrollment No: _____ Exam Seat No: _____ C. U. SHAH UNIVERSITY Winter Examination-2022

Subject Name: Computer Fundamentals & Office Automation

Subject Cod	e: 4CS01TOA1	Branch: B.Sc.	J.T.
Semester: 1	Date: 05/01/2023	Time: 11:00 7	To 01:30 Marks: 70
(2) Instr(3) Drav	of Programmable calculator & uctions written on main answer v neat diagrams and figures (if ume suitable data if needed.	book are strictly to be	obeyed.
Q1 Atten	npt following MCQs.		14
1)	In MAN, 'M' Stands for a) Mobile c) Metropolitan	 b) d)	Multiplxing Market
2)	Which of the followings is e-a) Spool filec) User Agent	mail component? b) d)	MTA All of above
3)	The Boolean function of AN a) Y=AB c) Y=A+B	D gate is b) d)	Y=A' + B' Y=A-B
4)	Which of the followings is caa) ANDc) OR	lled universal gate? b) d)	NAND EX-OR
5)	After adding two numbers, a a) 2 c) 3	half adder produces b) d)	output. 1 4
6)	A telephone is an example of a) Simplex c) Half duplex	transmissi b) d)	on mode. Full duplex Serial
7)	In GPS, 'S' stands for a) Service c) System	b) d)	Server Software

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8)	Which unit refers to the central nervous	the central nervous system of the computer?			
	a) ALU	b)	Output Unit		
	c) Input Unit	d)	CU		
9)	Which memory acts as a buffer between the RAM and CPU?				
<i>,</i>	a) RAM	b)	Catch memory		
	c) ROM	d)	None of above		
10) Which of the following is not a transmission mode?					
,	a) Simplex	b)	Duplex		
	c) Half duplex	d)	Full duplex		
11) Which port allows PC to transmit or receive one bit at a time?					
	a) Serial	b)	Parallel		
	c) HDMI	d)	USB		
12)	?				
	a) Star b)Bus c) Hub d) Mes	sh			
13)	SRAM uses to store data.				
,	a) Capacitors	b)	IC		
	c) Transistors	d)	Vacuum tube		
14)	In USB, 'S' stands for .				
,	a) Socket	b)	Special		
	c) Server	d)	Serial		

Attempt any FOUR Questions from following.

Q2	Attempt following.	14
	a) Write a note on block diagram (architecture) of computer.b) Discuss various characteristics of computer in detail.	7 7
Q3	Attempt following.	14
	a) Define network. Explain LAN and WAN with example.b) What is e-mail? Explain components of e-mail in details.	7 7
Q4	Attempt following.a) Write a note on Bluetooth and Wi-fi technologies.b) What is logic gate? Explain AND and OR gates in detail.	14 7 7

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Q5	Attempt following.	14
	a) Define operating system. Explain any two types of it.b) What is RAM? Explain it types.	7 7
Q6	Attempt following.	14
	a) Explain keyboard and mouse input devices.b) Discuss ROM in detail with its types.	7 7
Q7	Attempt following.	14
	a) Write a note on NAND and EX-OR gates.b) What is port? Explain various types of ports in details.	7 7
Q8	Attempt following.	14
	 a) Explain half-adder in detail. b) Discuss various transmission modes with example. c) Perform following number conversions. (312)₁₀ = (?)₂ (1100101110101)₂ = (?)₈ 	5 5 4

