

Enrollment No: _____

Exam Seat No: _____

C. U. SHAH UNIVERSITY

Winter Examination-2022

Subject Name: Computer Fundamentals & Office Automation

Subject Code: 4CS01TOA1

Branch: B.Sc.I.T.

Semester: 1

Date: 05/01/2023

Time: 11:00 To 01:30

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 Attempt following MCQs.

14

- 1) In MAN, 'M' Stands for _____.
 - a) Mobile
 - b) Multiplexing
 - c) Metropolitan
 - d) Market
- 2) Which of the followings is e-mail component?
 - a) Spool file
 - b) MTA
 - c) User Agent
 - d) All of above
- 3) The Boolean function of AND gate is _____.
 - a) $Y=AB$
 - b) $Y=A' + B'$
 - c) $Y=A+B$
 - d) $Y=A-B$
- 4) Which of the followings is called universal gate?
 - a) AND
 - b) NAND
 - c) OR
 - d) EX-OR
- 5) After adding two numbers, a half adder produces _____ output.
 - a) 2
 - b) 1
 - c) 3
 - d) 4
- 6) A telephone is an example of _____ transmission mode.
 - a) Simplex
 - b) Full duplex
 - c) Half duplex
 - d) Serial
- 7) In GPS, 'S' stands for _____.
 - a) Service
 - b) Server
 - c) System
 - d) Software



Q.-5	Attempt following.	14
	a) Define operating system. Explain any two types of it.	7
	b) What is RAM? Explain its types.	7
Q.-6	Attempt following.	14
	a) Explain keyboard and mouse input devices.	7
	b) Discuss ROM in detail with its types.	7
Q.-7	Attempt following.	14
	a) Write a note on NAND and EX-OR gates.	7
	b) What is port? Explain various types of ports in details.	7
Q.-8	Attempt following.	14
	a) Explain half-adder in detail.	5
	b) Discuss various transmission modes with example.	5
	c) Perform following number conversions.	4
	1. $(312)_{10} = (?)_2$	
	2. $(1100101110101)_2 = (?)_8$	

