



INDIAN SCHOOL SOHAR
UNIT TEST I (2024-25)
COMPUTER SCIENCE (083)
SET-1

CLASS :XI

MAX.MARKS :20

DATE : 26/05/2024

TIME: 40 mins.

General Instructions:

1. This question paper contains five sections, Section A to E.
2. All questions are compulsory.
3. Section A has 6 questions each carrying 01 mark.
4. Section B has 1 Very Short Answer type question carrying 02 marks.
5. Section C has 1 Short Answer type question carrying 03 marks.
6. Section D has 1 Long Answer type question carrying 04 marks with internal choice provided against **part iii.**
7. Section E has 1 internal choice-based question carrying 05 marks.

SECTION A

1. Which of the following unit is responsible for converting the data received from the user into a computer understandable format? 1
 - a. output unit
 - b. CPU
 - c. input unit
 - d. memory unit
2. Which of the following is not a type of computer encoding scheme? 1
 - a. Binary
 - b. ASCII
 - c. ISCII
 - d. Unicode
3. Which of the following is the device used for converting maps, pictures, and drawings into digital form for storage in computers? 1
 - a. Scanner
 - b. Plotter
 - c. Printer
 - d. MICR
4. The smallest unit of data in computer is _____. 1
 - a. Bit
 - b. Byte
 - c. Nibble
 - d. KB
5. Components that provide temporary internal storage to the CPU are _____.
 - a. Controllers
 - b. Registers
 - c. Internal chips
 - d. None of these

Q6 is **ASSERTION AND REASONING** based question. Mark the correct choice as :

- a. Both A and R are True and R is the correct explanation for A
- b. Both A and R are True and R is not the correct explanation for A
- c. A is True but R is False
- d. A is False but R is True
6. **Assertion (A):- Operating system is a software that enables the computer hardware to communicate and operate with the software.** 1
Reason (R) : Windows is an open source operating system.

SECTION-B

7. Students of Class XI are not clear with the use of RAM and ROM. Help them in understanding those terms by differentiating RAM and ROM 2

SECTION-C

8. Write a note on any 3 system utilities with an example each. 1+2

SECTION-D

9. Convert: 1+1+2

i. $1011010011_2 = \underline{\hspace{2cm}}_{16}$

ii. $7134_8 = \underline{\hspace{2cm}}_2$

iii. $15678_{10} = \underline{\hspace{2cm}}_{16}$

OR

iii. $67AD_{16} = \underline{\hspace{2cm}}_{10}$

SECTION E

10. Draw the logic circuit and truth table for the following expressions: 3+2

i. $F1 = A'BC + AB'C' + (ABC)'$

ii. $F2 = (X+Y)'$

OR

i. $R1 = XY'Z' + (X.Y)' + XYZ$

ii. $R2 = (A.B)'$
