

**COMPUTER SCIENCE
CLASS-XI**

Max. Marks: 70

TIME: 3 hrs

Note: All questions are compulsory.

General Instructions:

1. This Question paper contains - Four sections A, B, C and D. Each section is compulsory.
2. Section A-Question 1 to 10 comprises of 10 questions of 1 mark each (MCQ's, Fill in the blanks, True/False, Assertion-Reason etc.)
3. Section B-Question 11 to 19 comprises of 09 Very Short Answer (VSA)-type questions of 2 marks each.
4. Section C-Question 20 to 28 comprises of 09 Short Answer (SA)-type questions of 3 marks each.
5. Section D-Question 29 to 31 comprises of 3 Long Answer (LSA)-type questions of 5 marks each.

SECTION-A (Very short answer type questions)

10x1

Q1. 1Gb=_____ Mb

Q2. Scanner is an output device. True/False

Q3. Write full form of ALU

Q4. Antivirus is _____ software.

Q5. Software used to convert an assembly language program into machine language program is known as

- a) compiler
- b) assembler
- c) interpreter
- d) operating system

Q6. What will be the output of following line of code?

```
print(len("computer science"))
```

Q7. What is the use of '\t' escape sequence?

Q8. Define a comment.

Q9. <= Is a/an:

- a) comparison operator
- b) logical operator
- c) identity operator
- d) assignment operator

Q10: What is a string?

SECTION-B (Short answer type questions: Type-I)

9x2

Q11. Differentiate between RAM and ROM.

Q12. Differentiate between compiler and interpreter.

Q13. $210_{10} = \text{-----}_2$

Q14. $135_{10} = \text{-----}_8$

Q15. Define a program.

Q16. Define identifiers.

Q17. Define logical operators.

Q18. Name two numeric data types.

Q19. What are multiline strings?

SECTION-C (Short answer type questions: Type-II)

9x3

Q20. Why operating system is needed?

Q21. What is a software? Name 2 types of software.

Q22: Convert $(73)_8$ to binary and check your answer by converting the result back to octal

Q23. Write rules for naming a variable in python.

Q24. Explain decimal and octal number systems.

Q25. Explain different types of errors.

Q26. Explain concept of keywords and identifiers.

Q27. Write a program in python to concatenate two strings.

Q28. What is slicing? How a string is sliced from the start of the string?

SECTION-D (Long answer type question)

3x5

Q29. Explain various generations of computers.

(OR)

Define memory. Explain primary and secondary memory.

Q30. What are characteristics of a good program

(OR)

What is an error? Explain various types of errors in detail

Q31. What is an operator? Explain various assignment operators in detail

(OR)

What is a datatype? Explain any two datatypes in detail

MARKS DISTRIBUTION

Sr. No.	Unit No.	Very Short Answer (1 mark)	Short Answer Type-I (2 marks)	Short Answer Type-II (3 marks)	Long Answer (5 marks)	Total Marks
1	Unit 1	3	1	-	1	10
2	Unit 2	2	1	2	-	10
3	Unit 3	-	2	2	-	10
4	Unit 4	-	1	1	1	10
5	Unit 5	2	1	2	-	10
6	Unit 6	1	2	-	1	10
7	Unit 7	2	1	2	-	10
		10	9*2(18)	9*3(27)	5*3(15)	70