

Y-17-Z

Roll No.....

Total No. of Questions : 30]

[Total No. of Printed Pages : 4

XIARJKUT23

9217-Z

COMPUTER SCIENCE

Time : 3.00 Hours]

[Maximum Marks : 70

Section-A

(Very Short Answer Type Questions)

1 each

1. EPROM stands for
2. Assembly Language is
3. LINUX is Software.
4. In C++ root() is a library function. (True/False)
5. Nested loop is a correct procedure. (True/False)
6. A structure cannot have array as an element. (True/False)
7. Write syntax of 'do-while' loop.
8. Write syntax for declaration of a structure.
9. Define syntax error in Programming.

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Turn Over

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10. Correct declaration of an array is :

- (A) Temp{11}
- (B) Temp[11]
- (C) int Temp[11]
- (D) int Temp{11}

11. A structure contains a pointer to :

- (A) Array
- (B) Object
- (C) Class
- (D) Itself

12. Antivirus is a :

- (A) Utility Software
- (B) System Software
- (C) Application Software
- (D) None of these

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Section-B

(Short Answer Type Questions—I)

2 each

✓13. Define High Level Language.

Or

What do you mean by Device Driver ?

✓14. Give the use of 'else if' in C++.

✓15. Briefly describe conio.h.

✓16. Convert $(10101011)_2$ to hexadecimal system.

✓17. Give the uses of Pen Drive.

18. What is an 'Entry Controlled Loop' ? Give example.

✓19. Define Program Debugging.

20. Give the use of & and && operators in C++.

21. Write difference of == and != operators in C++.

Section-C

(Short Answer Type Questions—II)

4 each

✓22. Write programs in C++ to explain looping techniques.

Or

In C++ explain the conditional control techniques with the help of examples.

- 23. Write a program in C++ to print a series in ascending order.
- 24. Define a program and write the characteristics of an efficient program.
- 25. Discuss the various types of errors in computer programs.
- 26. Define an Operating System. Describe the role of an Operating System.
- 27. Define and explain Local and Global Variables in C++.
- 28. Convert $(3B4)_{16}$ into its binary and decimal equivalents.

Section-D

(Long Answer Type Questions)

6 each

29. What is an Array ? Explain its types and write programs in C++ to demonstrate creation of arrays.

Or

An array contains the maximum day temperatures for the month of April, 2020. Write a program in C++ to find average of maximum day temperature of the month.

30. Describe the various generations of Computers.

Or

What is a Memory Unit ? Describe the classification of Computer Memory.