

FIRST REVISION TEST - 2025



Standard - XI

Time: 3.00 hrs

COMPUTER SCIENCE

Marks:70

PART - A

I Choose the best answer

15x1=15

1. Legal recognition for transactions are carried out by
 - a) Electronic Data Interchange
 - b) Electronic Data Exchange
 - c) Electronic Data Transfer
 - d) Electrical Data Interchange
2. A computer network security that monitors and controls incoming and outgoing traffic is
 - a) cookies
 - b) virus
 - c) Firewall
 - d) worms
3. Which amongst the following is executed in the order of inheritance?
 - a) Destructor
 - b) Member function
 - c) constructor
 - d) object
4. Inheritance is a process of creating new class from
 - a) Base class
 - b) abstract
 - c) derived class
 - d) Function
5. How many memory locations are identified by a processor with 8 bits address bus at a time?
 - a) 28
 - b) 1024
 - c) 256
 - d) 8000
6. How many characters can be handled in Binary coded Decimal System?
 - a) 64
 - b) 255
 - c) 256
 - d) 128
7. If C is false just before the loop, the control flows through
 - 1) S1
 - 2) While C
 - 3) S2
 - 4) S3
 - a) S1 ; S3
 - b) S1 ; S2 ; S3
 - c) S1 ; S2 ; S2 ; S3
 - d) S1 ; S2 ; S2 ; S2 ; S3
8. Which of the following is not an invariant of the assignment?
 - a) $m \bmod 2$
 - b) $n \bmod 2$
 - c) $n \bmod 3$
 - d) $2xm - 3xn$
9. Which of the following is called as compile time operators?
 - a) Size of
 - b) Pointer
 - c) Virtual
 - d) this
10. How many times the following loop will execute? for (int i = 0; i < 10; i++)
 - a) 0
 - b) 10
 - c) 9
 - d) 11
11. _____ output device is used for Printing building plan.
 - a) Thermal Printer
 - b) Plotter
 - c) Dot matrix
 - d) inkjet Printer
12. Which function begins the program execution?
 - a) isalpha()
 - b) isdigit()
 - c) main()
 - d) islower()
13. Which of the following supports the transitive nature of data?
 - a) Inheritance
 - b) Encapsulation
 - c) Polymorphism
 - d) Abstraction
14. Which of the following access specifier protects data from inadvertent modifications?
 - a) Private
 - b) Protected
 - c) Public
 - d) Global
15. The short cut key used to rename a file in windows.
 - a) F2
 - b) F4
 - c) F5
 - d) F6

(2)

XI Computer Science

PART - B

II Answer any SIX questions. Question number 24 is compulsory.

6x2=12

16. Which source is used to erase the content of a EPROM?
17. What is a Cookie?
18. What is Polymorphism?
19. Write a note on Local Scope?
20. Write a while loop that displays numbers 2,4,6,8..... 20.
21. What is a computer?
22. Convert $(46)_{10}$ into Binary number?
23. What is function an abstraction?
24. Correct the following code segment.

```

if(x=1)
  P=100;
else
  P=10;

```

PART - C

III Answer any SIX questions. Question number 33 is compulsory.

6x3=18

25. Write about encryption and decryption?
26. Write about Strcmp() function?
27. Differentiate "=" and "=="?
28. What is case analysis?
29. Differentiate CD and DVD?
30. Convert $(150)_{10}$ into Binary, then convert that Binary number to octal.
31. Write the characteristics of sixth generation?
32. Define an array? What are the types?
33. Write a c++ program to check whether a person is eligible to vote using if statement?

PART - D

IV Answer all the questions.

5x5=25

34. a) What are the crimes happening using computer? (OR)
- b) Find 1's complement and 2's complement for the following Decimal number.
i) -98 ii) -135
35. a) Write a c++ program to sum numbers from 1 to 10 using while loop? (OR)
- b) Write a c++ program to _____ find the difference between two matrix?
36. a) Arrange the memory devices in ascending order based on the access time. (OR)
- b) Write the specification of an algorithm hypotenuse whose inputs are the lengths of the two shorter sides of a right angled triangle and the output is the length of the third side?
37. a) Write a note on the basic concepts that support oops? (OR)
- b) Mention the difference between constructor and destructor?
38. a) Explain call by value method with suitable? (OR)
- b) Explain the following
a) Inkjet Printer b) Multimedia Projector
c) Barcode / QR code Reader

***/**