COMMON FIRST REVISION EXAMINATION - 2023

Standard - XI

Reg.No. ☐☐☐☐☐☐

Time: 3.00 hrs.

COMPUTER SCIENCE

Marks: 70

PART - I

I. **Choose the correct answer:** 15×1=15

1. Expand post
   a) Post on self Test b) Poswer on Software Test
   c) Power on Self Test d) Power on Self test

2. Which refers to the number of bits Processed by a Computer's CPU?
   a) Byte b) Nibble c) World Length d) Bit

3. Which of the following is a CISC Processor?
   a) Intel P6 b) AMD K6 c) Pentium III d) Pentium IV

4. Operating System is
   a) Application Software b) Hardware
   c) System Software d) Component

5. Which is the default folder for many Windows Applications to save your file?
   a) My Document b) My pictures c) Documents and Settings d) My computer

6. If i = 5 before the assignment i : = i -1 after the assignment n the value if i is
   a) 5 b) 4 c) 3 d) 2

7. Which of the following is called as Compile time operators?
   a) Sizeof b) Pointer c) virtual d) this

8. Which of the following is not a data type modifier?
   a) Signed b) int c) long d) short

9. Identify the odd one from the keybords of jump modifier?
   a) break b) switch c) goto d) continue

10. cin>>n[3]; To which element does this statement accept the value?
    a) 2 b) 3 c) 4 d) 5

11. Insulation of the data from direct access by the program is called as
    a) Data hiding b) Encapsulation c) Polymorphism d) Abstraction

12. Which of the following constructor is executed for the following prototype?
    add display (add &) ; // add is a class name
    a) Default constructor b) Parameterized constructor
    c) Copy constructor d) Non parameterized constructor

13. Which of the following reduced the number of comparisons in a program?
    a) Operator overloading b) Operations overloading
    c) Function Overloading d) Member overloading

14. Which amongst the following is executed in the order of inheritance?
    a) Destructor b) Member function c) Constructor d) Object

15. A computer network security that monitors and controls incoming and outgoing traffic is
    a) Cookies b) Virus c) Firewall d) worms

PART -II

II. **Answer any 6 questions.Question no.24 is compulsory.** 6×2=12

16. Distinguish Primary and Secondary memory.
17. List the encoding systems that represents characters in memory.
18. What is HDMI?
19. What is the difference between an algorithm and a program?
20. Write about strlen() function.

21. How is modular programming different from procedural programming paradigm?
22. List the operators that cannot be overloaded.
23. What is inheritance?
24. Write a while loop that displays numbers 2,4,6,8,.... 20.

PART - III

III. Answer any 6 questions. Question no.33 is compulsory.   6×3=18

25. Write the significant features of monitor.
26. Convert $(150)_{10}$ into Binary, then convert that Binary number to octual
27. Write the twoways to create a new folder.
28. Is C++ case sensitive ? What is meant by the term "case sensitive"?
29. Write note an Array of strings.
30. What are the points to be noted while deriving a new class?
31. What is the role of firewalls?
32. What is TSCH?
33. Add a) $-22_{10} + 15_{10}$ b) $20_{10} + 25_{10}$

PART - IV

IV. Answer all the questions.   5×5=25

34. a) Explain the basic componnets of a computer with a neat diagram.   (OR)
    b) Explain the process management algorthims in Operating Systems.

35. a) Write about Binary operators used in C++   (OR)
    b) Explain Call by value method with suitable example.

36. a) Write a C++ program to find the difference between two matrix.   (OR)
    b) Write a note on the basic concepts that supports OOPs?

37. a) What are the rules for operators overloading?   (OR)
    b) Mention the differences between constructor and destructor.

38. a) What are the various crimes happening using computer?   (OR)
    b) Write the output of the following program?

```
include <iostrem>
using namespace std;
class Seminar
{ int Time;
Public:
Seminar ()
{ Time =30; cout<<"Seminar starts now" << end1;}
void Lecture()
{cout<<"Lectures inthe seminar on " <<end1;}
Seminar(int Duration)
{ Time =Duration;cout<<"Welcome to Seminar"<<endl;}
Seminar (Seminar & D)
{Time =D.Time; cout<<"Recap of Previous Seminar Content"<<endl;}
~Seminar()
{cout<<"Vote of thanks" <<endl;}};
int main()
{Seminar s1, s2(2), s3 (s2)
s1. Lecturer();
return 0;
}
```