

Class : 11Register
Number**SECOND REVISION EXAMINATION - 2025****COMPUTER SCIENCE**

Time Allowed : 3.00 Hours]

[Max. Marks : 70

Instructions : (1) Check the question paper for fairness of printing. If there is any lack of fairness, inform the Hall Supervisor immediately.

(2) Use Blue or Black ink to write and underline and pencil to draw diagrams.

PART - I

Note : i) Answer All the questions.

15X1 = 15

ii) Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer.

- Which one of the following is used to in ATM machines?
a) Touch Screen b) speaker c) Monitor d) Printer
- For 11012 the equalent Hexadecimal equivalent is?
a) F b) E c) D d) B
- Which is the fastest memory?
a) Hard disk b) Main memory c) Cache memory d) Blue-Ray disc
- File Management manages
a) Files b) Folders c) Directory systems d) All
- The shortcut key used to rename a file in windows
a) F2 b) F4 c) F5 d) F6
- Omitting details inessential to the task and representing only the essential features of the task is known as
a) specification b) abstraction c) composition d) decomposition
- How many times the loop is iterated?

```

i := 0
while i ≠ 5
i := i + 1

```

a) 4 b) 5 c) 6 d) 0
- A loop invariant need not be true
a) at the start of the loop b) at the start of each iteration
c) at the end of each iteration d) at the start of the algorithm
- The smallest individual unit in a program is:
a) Program b) Algorithm c) Flowchart d) Tokens
- Which of the following is a valid string literal?
a) 'A' b) 'Welcome' c) 1232 d) "1232"
- Which of the following is not a data type modifier?
a) signed b) int c) long d) short
- How many types of iteration statements?
a) 2 b) 3 c) 4 d) 5
- Which of the following is the scope operator ?
a) > b) & c) % d) ::
- int age[]={6,90,20,18,2}; How many elements are there in this array?
a) 2 b) 5 c) 6 d) 4

KK/11/C.S/1

15. Which one of the following are self-repeating and do not require a computer program to attach themselves?

- a) viruses b) worms c) spyware d) Trojans

PART - II

II. Answer the following questions. (Q.No: 24 is Compulsory)

6X2=12

16. What are the components of a CPU?
 17. Draw the truth table for XOR gate
 18. What are the different Operating Systems used in computer?
 19. Differentiate Save and save As option
 20. Define a loop invariant.
 21. Assume $n=10$; what will be result of $n++$ and $--n$?
 22. Consider the following C++ statement. Are they equivalent? $\text{char ch} = 67$; $\text{char ch} = 'C'$;
 23. What is the syntax to declare two – dimensional array.
 24. List the operators that cannot be overloaded

PART - III

III. Answer the following questions. (Q.No: 33 is Compulsory)

6X3=18

25. Write shortnote on impact printer
 26. Write short note on ISCI
 27. Classify the microprocessor based on the size of the data.
 28. Differentiate copy and move
 29. What is the difference between assignment operator and equality operator?
 30. Write the syntax and purpose of switch statement.
 31. Write short note on pow() function in C++.
 32. List some of the features of modular programming
 33. What are advantages of declaring constructors and destructor under public accessibility?

PART - IV

IV. Answer the following question.

5X5=25

34. a) Explain the basic components of a computer with a neat diagram.
 (OR)
 b) Explain the fundamental gates with expression and truth table.
 35. a) Arrange the memory devices in ascending order based on the access time
 (OR)
 b) Explain the different ways of finding a file or Folder
 36. a) Write about Binary operators used in C++.
 (OR)
 b) Explain Call by value method with suitable example
 37. a) Write the differences between Object Oriented Programming and procedural programming
 (OR)
 b) Mention the differences between constructor and destructor
 38. a) What are the rules for operator overloading?
 (OR)
 b) Explain the different types of inheritance

KK/11/C.S/2