

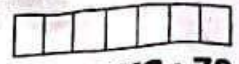
SALEM

FTS

QUARTERLY EXAMINATION - 2023
COMPUTER SCIENCE

CLASS : 11

TIME : 3.00 hrs



MARKS : 70

PART-I

I Answer all the question.

15 X 1 = 15

- When a system restarts which type of booting is used
a) Cold booting b) Touch boot c) Warm booting d) Real booting
- For 1101_2 the equivalent Hexa decimal equivalent is
a) D b) E c) F d) B
- Which of the following device identifies the location when address is placed in the memory address register?
a) Locator b) Decoder c) Encoder d) Multiplexer
- Intracative operating system provides?
a) Data Distribution b) Security management c) Graphics User Interface d) Real Time Processing
- The shortcut key used to rename a file in windows?
a) F4 b) F5 c) F6 d) F2
- Omitting details in essential to the task and representing only the essential features of the task is known as
a) Decomposition b) Specification c) Abstraction d) Composition
- How many times the loop is iterated?
i = 0
while i # 50
i = i + 1
a) 49 b) 50 c) 60 d) 0
- A loop invariant need not be true
a) at the end of each iteration b) at the start of the loop
c) at the start of each iteration d) at the start of the algorithm
- The smallest individual unit in a program is
a) Program b) Algorithm c) Tokens d) Flow chart
- What will be the result of following statement?
char ch = 'B'
cout << (int) ch;
a) .b b) B c) 65 d) 66
- Which of the following is not a data type modifier?
a) signed b) int c) long d) short
- Which of the following is a valid string literal?
a) "A" b) 'welcome' c) 1232 d) '1232'
- Idempotence $A + A = ?$ a) 0 b) A c) 1 d) \bar{A}

14. A step-by-step sequence of statements to solve a problem
 a) Program b) Algorithm c) Specification d) Abstraction
15. Who is coined the phrase "Structured programming"
 a) Billgates b) E.W. Dijkstra c) Charless Babage d) Bjarne

PART - II**II Answer any six question number 24 is compulsory.**

6 X 2 = 12

16. What are the components of a CPU?
 17. Convert $(46)_{10}$ into Binary number?
 18. What is an instruction?
 19. What is a multi-user operating system?
 20. Differentiate Save and Save AS option?
 21. Distinguish between an algorithm and a process?
 22. Draw a flowchart for conditional statement.
 23. What is an invariant?
 24. What is meant by a token? Name the token available in C++?

PART - III**III Answer any six question number 33 is compulsory.**

6 X 3 = 18

25. What is an input devices? Give three examples?
 26. Write the De.Morgan's law?
 27. Differentiate PROM and EPROM?
 28. Write the two ways to create a new folder.
 29. What is abstraction?
 30. Draw a flowchart for 3 - case analysis using alternative statements?
 31. What is the use of a header file?
 32. Add a) $-22_{10} + 15_{10}$ b) $20_{10} + 25_{10}$
 33. List out the key features of operating system?

PART - IV**IV Answer all questions.**

5 X 5 = 25

34. Discuss the various generation of computers? (OR)
 Perform Binary addition for the following . $23_{10} + 12_{10}$.
35. Explain the characteristics of a micro processor. (OR)
 Explain the different ways of finding a file or folder?
36. Write about Binary operators used in C++? (OR)
 What are the types of Errors?
37. Explain the versions of windows operating system. (OR)
 Explain the process management algorithms in operating system.
38. Explain Data types-in C++? (OR)
 Explain the Algorithm Design techniques.