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Terminal Examination (2025-26)
Standard - XI

Subject : Computer Science (Paper - I)

Marks : 50

Date : 08.10.2025

Time : 8.30 am to 11.00 am

Q.1 A] Select the correct alternative and rewrite the sentence. (4)

- 1) C++ is a _____ language.
 - a) procedural
 - b) Assembly level
 - c) object oriented
 - d) structural
- 2) _____ operator resolves ambiguity between local and global variables.
 - a) -
 - b) +
 - c) ? :
 - d) ::
- 3) _____ is a Radix of octal number system.
 - a) 8
 - b) 2
 - c) 10
 - d) 16
- 4) Strings in C++ are treated as _____.
 - a) Integer array
 - b) Float array
 - c) character array
 - d) None of above

B] Answer the following. (Any two) (6)

- 1) Explain Else-if ladder with example.
- 2) What are different operators dealing with streams.
- 3) Explain 1's and 2's complement with suitable example.

Q.2 A] Answer the following (Any two) (6)

- 1) Explain switch-case statement with suitable example.
- 2) Explain nested for loop with suitable example.
- 3) Perform $27+29$ by using Binary arithmetics.

B] Answer the following. (Any One) (4)

- 1) What is Number system? Explain Binary number system with it's advantages.
- 2) What are control structures in C++? Write it's types with example of anyone.

Q.3 A] Answer the following. (Any two) (6)

- 1) What is function? Explain advantages of using function in your program.
- 2) Explain different bitwise operators in C++.
- 3) Convert the following.
 - a) $(2AC)_{16} = (?)_{10}$
 - b) $(736)_8 = (?)_2$

B] Answer the following (Any One) (4)

- 1) Explain structure of CPP program, and write advantages of object oriented programming system.
- 2) Convert the following.
 - a) $(38)_{10} = (?)_2$
 - b) $(91)_{10} = (?)_2$

Q.4 Answer the following. (Any two) (10)

- 1) Explain the Double Dabble method of conversion with suitable example.
- 2) Explain the signifiacne of comments in C++. Howthey are specified?
- 3) Explain following terms.

a) Tokens	c) Identifier
b) keywords	d) Literals

Q.5 Answer the following. (Any two) (10)

- 1) Write a C++ program to find maximum from two numbers.
- 2) Write a C++ program to print table of a number.
- 3) Write a C++ program to find Factorial of a given number.

