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Annual Examination (2025-26)
Standard - XI

Subject : Computer Science (Paper - I)

Marks : 50

Date : 28.03.2026

Time : 1.30 pm to 4.30 pm

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

1. The number of comparison in linear search are _____ that of binary search.
 - a) less than
 - b) greater than
 - c) equal to
 - d) none of these.
2. C++ is a _____ programming language.
 - a) procedural
 - b) structural
 - c) object oriented
 - d) none of these
3. Strings in C++ are treated as _____.
 - a) Character array
 - b) Float array
 - c) Boolean array
 - d) Integer array
4. FTP stands for _____.
 - a) File Transfer Protocol
 - b) File Text Procedure
 - c) File Text Pge
 - d) File Type Peer

B) Answer any two of the following. (6)

1. List various Network installations and explain.
2. What is Array? Write advantages of array.
3. Draw a Flowchart for factorial of a number.

Q.2 A) Answer any two of the following. (6)

1. What are the characteristics of algorithm?
2. Explain the following:
 - a) Radix
 - b) +ve and -ve logic
3. Define Network and explain it's types in brief.

B) Answer any one of the following. (4)

1. Explain else- if ladder with example.
2. Explain operators dealing with streams.

Q.3 A) Answer any two of the following. (6)

1. What are the steps involved in program development explain in brief?
2. Explain Double Dabble method with suitable example.
3. Explain the significance of break in switch case statement. Explain with suitable example.

B) Answer any one of the following. (4)

1. Explain nested for loop with syntax and suitable example.
2. What is Binary search? Explain it.

Q.4 A) Answer any two of the following. (6)

1. What are various symbols used while drawing flowchart? Explain with suitable example.
2. Convert the following:
 - a) $(3AO)_{16} = (?)_{10}$
 - b) $(2AD.2B)_{16} = (?)_{10}$
3. Define any one programming technique.

B) Answer any one of the following. (4)

1. What is sorting? Write an Algorithm for Bubble Sorting.
2. Define functions in CPP with suitable example.

Q.5 A) Answer any two of the following. (10)

1. Write a program in CPP to print table of a number.
2. Write a program in CPP to print sum of first 10 odd numbers.
3. Write a program in CPP to print Day of a week using switch case statement.

OR

B) Answer any two of the following.

(10)

1. Write a program in CPP to find out maximum from 3 numbers.
2. Write a program to display fibonacci series
3. Write a program in CPP to display following output.

```
1
1  2
1  2  3
1  2  3  4
1  2  3  4  5
```



