SIS-N-069 A-21

B.Sc. I Semester (CBCS) Degree Examination

COMPUTER SCIENCE

Object Oriented Programming Using C++

Paper : DSC -3A

(New)

Time : 3 Hours

Maximum Marks : 80

SECTION- A

I.   Answer **all questions**   (10×2=20)

1.   Define pseudo code

2.   What is an identifier?

3.   What is polymorphism?

4.   Define integration testing.

5.   Define expression

6.   Write the general syntax to declare constants in C++

7.   What is an extraction operator?

8.   List the different types of logical operators with their meaning.

9.   Write the general syntax of nested if statement.

10   What is void data type?

SECTION - B

II.   Answer any **Four** questions   (4×5=20)

11   Differentiate between compiler and interpreter

12   Explain the benefits of using OOP

13   What is data type? Explain integer data type with an example.

14   What is preprocessor directive? Explain with an example.

15.   Write the difference between while and do - while looping statements

16   Explain parameter passing mechanism.

SECTION - C

III. Answer any Four questions.   (4×10=40)

17. What is flowchart? List the advantages and disadvantages of using flowchart.

18. Define array. Explain one dimensional array with syntax.

19. What is class? How to define and access class members in C++?

20. What is inheritance? Explain different types of inheritance.

21. Explain the following with examples.

    a.   Pre - increment operator.

    b.   Post - increment operator.

    c.   Pre - decrement operator.

    d.   Post - decrement operator.

22. What are conditional control statements? Explain switch statement with an example.