

2026

COMPUTER APPLICATION

Course Name : Object Oriented Programming Through C++

Course Code : BCA-DSC-2024

Full Marks : 45

Time : 2 Hours

1. Answer the following questions : 1×5=5
- i) Which of the following is used to define a constant in C++ ?
 - a) const
 - b) define
 - c) static
 - d) fixed
 - ii) Which operator is used to access members of a class object ?
 - a) ->
 - b) .
 - c) ::
 - d) &
 - iii) Which file stream class is used for reading data from files ?
 - a) ofstream
 - b) ifstream
 - c) fstream
 - d) file
 - iv) Which operator is used for scope resolution in C++ ?
 - a) .
 - b) ->
 - c) ::
 - d) :

(Turn over)

- v) A class can have more than one constructor.
(State True or False)

2. Answer the following questions (any five) : $2 \times 5 = 10$
- a) What is multilevel inheritance ?
 - b) Write any two advantages of OOP
 - c) Write the basic syntax of a class in C++
 - d) What is constructor overloading ?
 - e) What is a file stream in C++ ?
 - f) Illustrate any two uses of the :: operator with examples.
 - g) What is the difference between *new* and *delete* ?
3. Answer the following questions (any four) : $5 \times 4 = 20$
- a) Describe the various data types supported in C++.
 - b) Describe multiple inheritance with example.
 - c) Define identifiers and keywords. Give suitable examples.
 - d) Explain tokens in C++ with suitable examples.
 - e) Explain runtime polymorphism with example.
 - f) Discuss the use of file streams in C++.
4. Answer any one of the following questions : $10 \times 1 = 10$
- a) Explain inheritance and its different types with suitable examples.
 - b) What is Object-Oriented Programming ? Discuss its advantages compared to procedural programming.
 - c) Write down the difference between parameterized constructor and default constructor with example.

