

UG 3rd Semester Examination 2021
Computer Science (Honours)
Paper- DC-7(a)
Object Oriented Programming with C++
[CBCS]

Full Marks: 25

Time: 2 hours

The figures in the margin indicate full marks.

Group -A

(2×5 = 10)

Answer any five questions.

1. a. What is the role of the static keyword for a class member variable?
- b. Differentiate between method overloading and method overriding in C++.
- c. Name the Operators that cannot be overloaded in C++.
- d. What do you mean by Pure Virtual Function?
- e. Differentiate between static & dynamic binding.
- f. What is copy constructor?

Group -B

(5 × 3 = 15)

Answer any three questions.

2. Explain multiple inheritance with a suitable program. 5
3. What is constructor? Explain constructor overloading with suitable C++ program. (1+4)=5
4. Define class and object. Explain abstract class with the help of suitable example. (2+3)=5
5. What are the Extraction and Insertion operators in C++? Explain different uses of scope resolution operator in C++. (2+3)=5
6. Write a C++ program that implements bubble sort using template class. 5