

FACULTY OF SCIENCE
B.Sc. (CBCS) I-Year (II-Semester) Regular Examinations, August-2023
Computer Science-II
(Programming in C++)

Time: 3 Hours

Max Marks: 80

SECTION-A

(4×5=20 Marks)

Answer any Four questions from the following

1. What are Reference Variables? Explain with examples.
2. Define a Class and an instance of a Class.
3. Define Pure Virtual Class with an example.
4. Explain Multiple Exception in C++ with example.
5. Distinguish between Procedural Oriented Programming and Object Oriented Programming.
6. What is Friend Class in C++? Explain with examples.
7. Describe handling the bad-alloc exception.
8. What are formatted and unformatted I/O operations?

SECTION-B

(4×15=60 Marks)

Answer all the following questions

9. (a) Explain control statements in C++ with suitable examples.
(OR)
(b) Explain passing Array as parameter to the function with suitable examples.
10. (a) Explain various types of constructors in C++ with suitable examples.
(OR)
(b) Explain Static data members and Static member functions with examples.
11. (a) Define Inheritance. Discuss various types of Inheritance with examples.
(OR)
(b) Define a Stream. Explain formatted and Unformatted I/O operations.
12. (a) Define Class Template. Illustrate Class template with multiple parameter.
(OR)
(b) Define Function Template. Explain overloading of template functions with examples.