

FACULTY OF ARTS & SOCIAL SCIENCES/SCIENCE
B.A./B.Sc. (CBCS) I-Year (II-Semester) Regular Examinations, August-2023
Computer Applications-II (Gen)
(Programming in C++)

Time: 3 Hours

Max Marks: 80

SECTION-A

(4x5 = 20 Marks)

Answer any Four questions from the following

1. Explain functions with default arguments in C++.
2. Define destructor and write its properties.
3. What is abstract class and explain with an example?
4. What is Template? Explain its advantages.
5. Write about throw, throws key words.
6. Define inheritance and write its advantages.
7. Write about Prototype.
8. What is a Copy Constructor?

SECTION-B

(4x15 = 60 Marks)

Answer all the following questions

9. (a) Explain different Iterative statements in C++.
(OR)
(b) Define Function overloading and write C++ program to demonstrate function overloading with an example program.
10. (a) Write the properties of Object-Oriented Programming and Compare with Procedural Programming.
(OR)
(b) What is Friend Function? Explain in detail and write C++ program to overload binary + operator using friend function.
11. (a) Define multilevel inheritance and write C++ program to implement multilevel inheritance.
(OR)
(b) (i) What is Virtual function and explain it with an example?
(ii) Explain the functions related to formatted i/o operations.
12. (a) Explain exception mechanism handling mechanism in C++ and related keywords.
(OR)
(b) What is Class Template and give its syntax and write a program for sort an array using class template.