

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BBA DEGREE EXAMINATION DECEMBER 2019  
(Fifth Semester)

Branch - BUSINESS ADMINISTRATION (INFORMATION SYSTEMS)

**OBJECT ORIENTED PROGRAMMING WITH C++**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 Define Abstraction.
- 2 How to defining the member function?
- 3 Outline about scope resolution operator.
- 4 Define variable.
- 5 Write any three rule of operator overloading.
- 6 Give an example for passing object as function argument.
- 7 Comment on Hybrid Inheritance.
- 8 Define Pointer.
- 9 What are the different ways to open a file?
- 10 Write about put() and get() function.

**/ SECTION - B (25 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a Examine the benefits of Object Oriented Programming.  
OR  
b Write the applications of OOP.
- 12 a Discuss about basic data type of C++.  
OR  
b Explain about Function Prototyping with an example.
- 13 a Construct Array of objects with suitable example.  
OR  
b How to use type conversion in C++?
- 14 a Write a C++ program for employee pay bill using single inheritance.  
OR  
b Determine about pointer to derived class with an example.
- 15 a Evaluate the getline() and write() function.  
OR  
b Write a C++ program to read and write the data content using file.

**SECTION - C (30 Marks)**

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 Elaborate the basic concept of OOP.
- 17 Define function. Explain in detail about functions in C++ with an example.
- 18 What is meant by constructor? Write briefly about the different types of constructors.
- 19 Demonstrate the concept of Multiple Inheritance. Give an example.
- 20 Summarize about Opening and Closing a file. Write the suitable example.