Total No. of Questions: 07

BCA (2011 & Onward)
B.Sc.(IT) (2015 & Onward)   (Sem. – 2)
# OOPS USING C++
M Code: 10052
Subject Code: BSBC-203/BSIT-203
Paper ID: [B1115]

Time: 3 Hrs.   **Max. Marks: 60**

INSTRUCTIONS TO CANDIDATES:
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.**

SECTION A

1. a) What do you mean by access specifiers in C++?

   b) How will you declare 2-Dimensional Array in C++?

   c) What are various advantages/disadvantages of Friend function?

   d) What do you mean by Operator Overloading?

   e) Define Scope Resolution Operator.

   f) What are Inline Functions?

   g) Define Union in C++?

   h) What do you mean by Polymorphism?

   i) What are pure virtual functions?

   j) Define late Binding.

SECTION B

2. What do you mean by structures in C++? Write a program covering "accessing structure members" and "arrays of structure".

3. Define functions. Discuss the concepts of "Pass by value" and "Pass by reference" with help of program in C++.

4. What do you mean by constructor and destructor? Write a program to demonstrate copy constructor and destructor.

5. What is inheritance? What are different types of inheritance available in C++?

6. What are various control and conditional statements available in C++? Explain the use of break and continue statements.

7. What is File Handling? Write a program in C++ to copy contents of one file to another.