Roll No.												Total No. of Pages: 02
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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.

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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.

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