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Total No. of Pages: 02

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.