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Roll No. Total No. of Pages: 02

Total No. of Questions: 07

BCA (2011 & Onwards) (Sem.-2)
OOPS USING C++
Subject Code: BSBC-203
Paper ID: [B1115]

Time: 3 Hrs. Max. Marks: 60

INSTRUCTION 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 a student has to attempt any FOUR questions.

SECTION A

Ql. Write briefly:

- a) What is Protected Inheritance?
- b) What are advantages of Inline Function?
- c) What are different access specifiers in C++?
- d) What are Local and Global variables?
- e) What is Dynamic Memory Allocation?
- f) Write down the syntax to create a class and object.
- g) What is Base and Derived Class?
- h) Name any 4 C++ compilers.
- i) Suppose I is an integer variable which is assigned 32767. If we increment value of I by 1 then what will be the output?
- j) What is Pure Virtual Function?

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SECTION B

- Q 2. a) Why it is necessary to include header files at the beginning of the program? What role do they play?
 - b) Differentiate between C and C++.
- Q 3. a) Discuss the use of Scope resolution operator.
 - b) Write a note on Data Hiding.
- Q 4. a) What is the use of Static Function? Explain with example.
 - b) What do you understand by Pass By Reference?
- Q 5. Define a constructor. How will you overload a constructor? Explain with example.
- Q 6. What is Inheritance? What are its different types? Also write C++ program to implement Multiple Inheritance.
- Q 7. Write a note on:
 - a) Encapsulation
 - b) Destructor

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