

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

Q1. Write briefly :

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

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