

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

BCA (2011 & Onward) (Sem.-2)

B.Sc.(IT) (2015 & Onward)

OOPS USING C++

Subject Code : BSIT-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 Encapsulation?
- Name any 4 C++ compilers.
- What is Base and Derived Class?
- What is the use of static function?
- Write down the syntax to create a class and object.
- What are Local and Global variables?
- Explain Friend Function.
- Discuss the use of Scope resolution operator.
- What are streams?
- What is buffer?

SECTION-B

2.
 - a) Why we use Virtual Functions in C++ programs? Explain.
 - b) What do you understand by Pass By Reference? Discuss with C++ program.
3.
 - a) Differentiate between C and C++.
 - b) Write a note on Data Hiding.
4.
 - a) Discuss various manipulators used in C++.
 - b) How Function Overloading is possible in C++? Discuss with C++ program?
5. Define a constructor. How will you overload a constructor? Explain with example.
6. What is Inheritance? What are its different types? Also write C++ program to implement Multiple Inheritance.
7. Write notes on :
 - a) Protected Inheritance
 - b) Destructor