Roll No. ☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 07

BCA (2011 & Onwards)
B.Sc(IT) (2015 Batch)   (Sem.–2)
OOPS USING C++
Subject Code : BSIT/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

1) **Write briefly :**

   a) What is inheritance?

   b) What do you mean by array of pointer?

   c) What is function overloading?

   d) What is copy constructor?

   e) Differentiate early binding and late binding.

   f) What is pass by reference?

   g) Define I/O stream.

   h) What are visibility modes of derived classes?

   i) What is scope resolution operator?

   j) What is friend function?

SECTION-B

2) What is Loop? Explain the different type of loops available in C++.

3) Explain the various types of inheritance with an example of each.

4) Define Polymorphism. Differentiate early binding and late binding with the suitable example.

5) What is Class? Explain the different access specifiers that are used in a class with suitable example.

6) Explain the concept of nesting of structures in two different ways with the help of example(s).

7) What is the difference between call by value and call by reference? Explain with suitable example.