Dec 2016

Bachelor of Computer Application (BCA) Examination

III Semester

Object Oriented Programming Through C + +

Time 3 Hours] [Max. Marks 50

Note : Attempt any five questions. All questions carry equal marks.

1. (a) Explain static and dynamic binding with examples. How does compiler differ both of them in a program ?

(b) Explain how message passing is done in object oriented programming ?

2. (a) What is the application of scope resolution operator in C+ +? Explain with programming example.

(b) What do you mean by inline functions? Why is it beneficial to make small functions as inline ?

 (a) What is parameterized constructor ? List some of the special

properties of constructor functions.

(b) Explain class and object in C+ +. Differentiate between class and structure with example.

4. (a) What do you mean by overloading of a function ? When do we use this concept ? Explain with example.

(b) Write a C+ + program to overload binary operator using friend function.

5. (a) What is exception handling ? Describe meaning of 'try', 'catch' and throw key words.

(b) Differentiate between multiple, multilevel and hybrid inheritance.

6. Write notes on any five of the following :

(a) C+ + Stream Class.

(b) Type Conversion.

(c) Abstract Class.

(d) Break and Continue.

(e) Templates.

(f) Virtual Base Class.