

Goa Vidyaprasarak Mandal's
Gopal Govind Poy Raiturcar College of Commerce & Economics
Ponda-Goa

BCA (SEMESTER-III) EXAMINATION, OCTOBER 2014
OBJECT ORIENTED PROGRAMMING CONCEPTS

Time: 2 Hours

Maximum Marks: 50

- Q I. A) Give one point of difference between the following terms: (5*1=5)
1. Objects and Classes.
 2. Procedure oriented Programming and Object Oriented Programming.
 3. Private and Public Data Members.
 4. Normal functions and Data Member Functions.
 5. Constructors and Destructors.
- B) State which of the following statements are True or False. If False Justify (5*1=5)
1. The main emphasis of procedure-oriented programming is on algorithms rather than on data.
 2. Functions cannot return class objects.
 3. We cannot prevent the inheritance of all members of the base class by making base Class virtual in the definition of the derived class
 4. A derived class with only one base class is known as multilevel inheritance.
 5. Class members are public by default.
- Q.II) Answer the following:
1. What is the application of the scope resolution operator:: in c++?
Illustrate with an example (2)
 2. Explain with an example parameterized constructor. (3)
 3. What is an operator overloading? Describe the syntax of an operator function. (5)
- Q.III) Answer the following:
1. What is a friend function? What are the merits of using friend function . (2)
 2. Explain the different modes to open a File (3)
 3. Write a short note on Multiple Inheritance. (5)
- Q.IV) Answer the following:
1. What is a virtual base class? When do we make a class virtual? (2)
 2. Define Inline function? Explain some of the situations where inline expansion may not work . (3)
 3. What are Exceptions? Illustrate with an example. (5)
- Q.V) Answer the following:
1. What are input and output streams. (2)
 2. Explain function overloading? (3)
 3. Explain the syntax of function templates with suitable example (5)

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