

Goa Vidyaprasarak Mandal's
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE & ECONOMICS
PONDA-GOA
B.C.A. (SEMESTER-III) EXAMINATION, OCTOBER 2016
OBJECT ORIENTED CONCEPTS

Duration: 2 Hours

Marks: 50

- Q.I A) Distinguish between the following terms: (5*1=5)
1. InputStream class and OutputStream class.
 2. Default constructor and Parameterized Constructor.
 3. Object Oriented Programming and Procedure Oriented Programming.
 4. Single Inheritance and Hybrid Inheritance.
 5. Super keyword and This Keyword
- Q.I B) Define the following terms. (5*1=5)
1. Abstraction
 2. Virtual Base Class
 3. Copy Constructors
 4. Dynamic Binding and Message Passing
 5. Encapsulation
- Q.II) Answer the following:
1. List a few areas of application of OOP technology. (2)
 2. What are the benefits and limitations of object oriented programming? (3)
 3. What are Character Stream and Byte Stream Classes? Write a program that will copy characters from one file to another. (5)
- Q.III) Answer the following:
1. What are Access Modifiers? Explain with examples. (2)
 2. Write a short note on function overloading and Method overriding. Explain with example. (3)
 3. Describe the Multilevel and Hierarchical Inheritance with examples. (5)
- Q.IV) Answer the following:
1. Explain Abstract classes. (2)
 2. List special properties of a constructor? (3)
 3. What is an interface? Explain with examples of java code for implementing interface. (5)
- Q.V) Answer the following:
1. Explain the methods of creation of file. Write a program that will write byte in a program. (2)
 2. Write a short note on Aggregation. Explain with an example. (3)
 3. What is an exception? List some of common types of exceptions that might occur in java. Write a java program illustrating exception handling mechanism in java using try, catch and finally block. (5)

-----Best of Luck-----