

Goa Vidyaprasarak Mandal's
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE & ECONOMICS
PONDA-GOA

B.C.A. (SEMESTER-III) SUPPLEMENTARY EXAMINATION, MAY/JUNE 2016
OBJECT ORIENTED CONCEPTS

Duration: 2 Hours

Marks: 50

Q I.A) Define the following terms. (5*1=5)

1. Object
2. Abstract class.
3. Function overloading.
4. Hierarchical Inheritance.
5. Interface.

B) State which of the following statements are True or False. Give reasons.

(5*1=5)

1. Constructors can return value.
2. The emphasis of procedure –oriented programming is on algorithms rather than data.
3. Constructors can take default arguments.
4. A function designed as private is accessible only to member functions of that Class.
5. Object oriented programming permits reusability of the existing code.

Q.II) Answer the following:

1. What do you think are the major issues facing the software industry today? (2)
2. What are the unique advantages of an object-oriented programming paradigm? (3)
3. Write a program that creates a file called input.txt and inserts a sentence into it. (5)

Q.III) Answer the following:

1. Explain Aggregation? (2)
2. Describe the major tasks of input and output stream classes. (3)
3. Explain with an example single inheritance in Java. (5)

Q.IV) Answer the following:

1. List some of common types of exceptions that might occur in java. (2)
2. Write a program that will count number of characters in a file. (3)
3. What is Parameterized Constructor? Explain with an example. (5)

Q.V) Answer the following:

1. What is the major difference between OutputStream and Writer classes. (2)
2. What is a class? How does it accomplish data hiding. (3)
3. Write a short note on exception handling. (5)

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

