

Goa Vidyaprasarak Mandal's

GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE & ECONOMICS

PONDA-GOA

B.C.A. (SEMESTER-III) EXAMINATION, OCTOBER 2015

OBJECT ORIENTED CONCEPTS

Duration: 2 Hours

Marks: 50

Q I) Distinguish between the following terms:

(5*2=10)

1. OutputStream and Writer classes.
2. Default constructor and parameterized constructor
3. Public and private.
4. Dynamic Binding and message passing
5. class and object

Q.II) Answer the following:

1. List a few areas of application of OOP technology. (2)
2. What is object oriented programming? How is it different from the procedure-oriented programming? (3)
3. What are input and output streams? Write a program that will read characters in a file. (5)

Q.III) Answer the following:

1. What is type casting? Why is it required in programming? (2)
2. Write a short note on function overloading. (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. What is the major difference between interfaces and classes? (2)
2. Write a short note on Aggregation. (3)
3. What is an exception? List some of common types of exceptions that might occur in java. Give examples. (5)

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