

**GOA VIDYAPRASARAK MANDAL'S
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE ANDECONOMICS
PONDA - GOA**

B.C.A. (SEMESTER- III) Intra Semester Assessment (ISA)-1 SEPTEMBER 2022

OBJECT ORIENTED CONCEPTS

Duration: 45 minutes

Marks: 20

Q1. Define the following with respect to OOP. (3)

- a. Class
- b. Object
- c. Static variable

Q2. Differentiate between Procedure Oriented and Object-Oriented Programming. (2)

Q3. How is Composition relation different from Aggregation relation? (2)

Q4. Explain the concept of Abstraction. (3)

Q5. Write a java program to accept from the user, the name, roll number and percentage of three students. Display the details. Demonstrate the use of classes, objects and methods. (5)

OR

Q5. Write a java program to show polymorphism.

Q6. Draw a class diagram for a Banking System. (5)

OR

Q6. Draw a class diagram for a Library Management System.
