

GVM's GGPR College of Commerce & Economics,  
Farmagudi- Ponda, Goa.

B.C.A. (Semester III) Intra Semester Assessment (ISA) I- Test, October 2020

**OBJECT ORIENTED CONCEPTS**

Duration: 45 minutes

Marks: 20

- 1) Distinguish between Procedure Oriented Programming and Object Oriented Programming. (4 Mks)
- 2) Define UML. Explain the need of UML. (3 Mks)
- 3) Define the following terms: (4 Mks)
  - i) Objects
  - ii) Polymorphism
  - iii) Encapsulation
  - iv) Message Passing
- 4) Explain in brief UML Class Diagram along with its notations with the help of an diagram. (4 Mks)
- 5) Write a program in Java to find the square root of number using Math Class. (5 Mks)