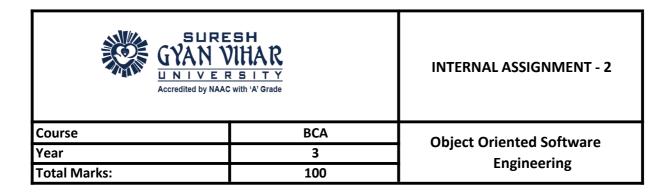


## Q.1. Write answers for any two questions from below. (20 marks each – Word limit – 500)

- **A.** What is UML?What is the different way to apply UML?
- **B.** What is association relationship? Explain in detail with role, multiplicity and aggregation
- C. What is an instance? Show different ways of instance representation in UML modeling
- **D.** Define 1. Interaction 2. Link 3. Use Case and Actor 4. state 5. Transitions
- **E.** Describe the term Object Oriented Analysis Process.



## Q.1. Write answers for any two questions from below. (20 marks each – Word limit – 500)

- **A.** Describe the following models
  - a. Object Model
  - b. Dynamic Model
- **B.** Define Testing. Enlist various types of errors.
- **C.** Define the following term 1. object 2.class 3. polymorphism 4. Inheritance
- **D.** Explain test case design for object-oriented software
- **E.** Explain the following terms:
  - a. component and classes
  - b. component and interfaces