

Subject Code : IT -309

Subject : Object Oriented Software Engineering

Maximum Marks : 20

TIME : 1 Hour

Date : 12/10/2020

Q 1) Consider a result management system of GGSIP University.

- a) Identify classes, also classify them as control, entity and interface classes. (2)
- b) Identify the objects, attributes and methods. (3)
- c) Draw the class diagram for the "LOGIN" use case. (5)

Q 2) Explain the object oriented software life cycle model. (5)

Q 3) Draw the USE Case diagram for restaurant management system. (5)

OR

Draw the USE Case diagram for online payment system. (5)

Class: BTech (IT 5th semester) Subject : Object Oriented Software Engineering(OOSE) IT-309 Time: 1 Hr

- Q1. Who developed software lifecycle development called spiral model. Explain the different phases of the model with the help of figure . Also write its advantages and disadvantages. (7)
- Q2. What is object- oriented methodology and modeling? Explain Booch’s method with notations. (7)
- Q3. Who is the ISO? Who develops ISO standards? How are ISO standards developed? (6)

- Question 1. Why is object oriented software development taking center stage in software industry? Justify. *Marks 5*
 Question 2. Make a Use case diagram for Hospital Management. Make assumptions. *Marks 5*
 Question 3. In the following diagram, Identify Class, Class Name, Attribute, Methods, Generalization, Association, Multiplicity and Aggregation. *Marks 5*

