

OBJECT ORIENTED SOFTWARE ENGINEERING

ASSIGNMENT # 01

Q1. What are the uses and application of UML diagrams?

Q2. What is a use case and how is it connected to the outside world?

Q3. Explain Logical view of Rational Rose Model?

Q4. What is the purpose of **EXTEND** and **INCLUDE** in a use case diagram? Explain with the help of example?

Q5. Give & explain the names of various components of a Class Diagram?

Q6. What is the significance of use case diagram from modeling prospective? Consider a Hospital Management System and draw a Use-case diagram and the Class diagram?

Q7. Differentiate between a Package, Component Diagram and Deployment diagram?

Q8. What is difference between Sequence diagram and Activity diagram?

Q9. What is an Actor? How is it different from a User?

Q10. Model a simple vending machine that can be in four states: *Waiting*, *Receiving money*, *Returning money*?
