	SURESH GYAN VIHAR UNIVERSITY Accredited by NAAC with 'A' Grade	INTERNAL ASSIGNMENT - 1
Course	MCA	
Semester	3	Object Oriented Analysis & Design
Total Marks:	15	

Q.1.   Write answers for any two questions from below. (5 marks each – Word limit – 500)

A.   Explain briefly about use case flow of events.

B.   Explain about links and associations in detail.

C.   Draw the activity diagram of ATM Machine system.

Q.2.   Write short notes on all of the following topics (1 mark each - Word limit - 100)

A.   Unit Testing

B.   What is RUP? What are the four major phases of it?

C.   What is node? How to organize nodes in UML? List the principles of modeling in UML. What are the adornments in the UML?

D.   Action State and Activity State

E.   Sequence Diagram and Collaboration Diagram

Q.1. Write answers for any two questions from below. (5 marks each – Word limit – 500)

A. Draw the usecase diagram and the activity diagram for an online airline reservation system. Summarize the purpose of each usecase, actor, and its importance. Briefly explain various activity states and action states in the activity diagram.

B. Explain the forward engineering tool and reverse engineering tool for a sample code with respect to the state chart diagram.

C. What do you mean by object-oriented design model? Also discuss the input and output of object-oriented design.

Q.2. Write short notes on all of the following topics (1 mark each - Word limit - 100)

A. What are the properties of a well-structured component diagrams?

B. Stereotypes

C. Explain the reasons for reusability designs.

D. Integration Testing

E. Why generalization is very strong? Differentiate Aggregation and Containment. Can link and association applied interchangeably?