

## MCA III Semester question Bank

### Subject: Software Engineering using UML Lab

1. Draw a class diagram for checking “ Account” class and the “ Savings accounts” class both inherit from the more general class “Account”
2. Draw an Activity diagram for withdrawal of money from ATM.
3. Draw a State chart diagram for an online grading system.
4. Draw a sequence diagram for library management system.
5. Specify the problem domain, requirements for the hostel management system.
6. Draw a Sequence diagram for the student result computation process.
7. Draw a Class diagram for mobile app design model.
8. Give a Data flow diagram of automatic exam model.
9. Draw a Use case diagram for user online learning system.
10. Draw an Activity diagram for course registration system.
11. Draw a Use case diagram for inventory management system.
12. Draw an Object diagram for blood bank system.
13. Draw a Deployment diagram for a web application that include  
NODES (application server and database server).  
ARTIFACTS (application client and database schema)
14. Draw a Class diagram for railway management system.
15. Draw an Activity diagram for event management system.
16. Draw a Sequence diagram for electricity billing system.
17. Draw a Collaboration diagram for health care appointment system.

18. Draw a Component diagram for air line booking system.
19. Draw an object diagram for online teaching system.
20. Draw a Use case diagram for online line shopping.
21. Give a Data flow diagram for traffic monitoring system.
22. Explain the phases in SDLC model and give an example of Data flow diagram.
23. Draw an Interaction diagram for passport verification.
24. Draw an Activity diagram for online payment system.
25. Give a Data flow diagram for issuing a bonafide from the college.
26. Draw a Use case diagram for route planning system.
27. Draw a State chart diagram for hospital management system.
28. Draw an Object diagram for online food ordering system.
29. Draw a Class diagram for service oriented product lines implementation.
30. Draw a Sequence diagram for court case management system.