**Object Oriented Software Engineering**

1. Discuss different software life cycle models and compare among them with advantages and disadvantages.
2. Discuss the requirement model from the user requirements perspective.
3. Explain object-oriented software engineering with object-oriented development with examples.
4. Explain component-based software engineering.
5. Explain the function-oriented method and data-oriented method.
6. Explain software metrics with examples.
7. Compare HOOD with RDD.
8. Explain the object-oriented analysis COAD-vou method with the traditional OOA method.
9. Difference between software process and software process model. Compare the waterfall model and prototype model.
10. Discuss the analysis model with an example.
11. Explain the testing and verification process in a real-time system.
12. Explain software quality assurance.
13. Compare OMT with RDD
14. Explain phases of software requirements with example.
15. Discuss about component management with examples.
16. Why project management is important in software development.
17. Write down about object-oriented analysis.
18. Explain about object-oriented system design and oo program design.
19. Explain about real-time classification in real-time system.
20. What is the process of project selection and preparation of object-oriented software development?
21. Explain object-oriented design- method with example.
22. Explain key factors involve in managing object oriented software engineering.
23. Differentiate between model architecture and requirement model.
24. Explain the managing the object oriented software engineering with example.
25. Difference between component and component management.

**Algorithm Complexity:**

1. **ski rental problem.**