Repeating question:

1. **Define SRS. What are the characteristics of SRS?**
2. **Write a short note on spiral model.**
3. **Explain the bug life cycle.**
4. **Draw use case diagram for Car Rental System.**
5. **What is the role of SQA? State the task of SQA.**
6. **Explain Incremental Model with its advantages and disadvantages.**
7. **What is Software? Differentiate between software and hardware.**
8. **How function-oriented approach is different than object-oriented approach.**
9. **Discuss the various design modelling principles.**
10. **Differentiate between coupling and cohesion.**
11. **What is COCOMO Model?**
12. **Explain different types of risk.**
13. **Differentiate between Verification and Validation.**

Important

1. **Explain the waterfall model.**
2. **List the umbrella activities followed in a generic process model.**
3. **Define SRS. List the benefits of SRS.**
4. **Differentiate between the waterfall model and the spiral model.**
5. **List the principles of agile methodology.**
6. **What is the need for a feasibility study? Explain its types.**
7. **State and explain the design modeling principles.**
8. **Differentiate between function-oriented design and object-oriented design.**
9. **What is coupling and cohesion?**
10. **List various types of Testing Metrics.**
11. **What activities are included in design verification?**
12. **Explain the various cost estimation techniques.**
13. **Explain different steps included during risk resolution.**
14. **State and explain different types of risk.**
15. **Explain how RMMM helps in identifying the severity of risk.**
16. **Write a short note on Verification and Validation.**
17. **Define Six Sigma with its methodologies.**
18. **Explain the concept of testing with different levels of testing.**
19. **State and explain the phases in SDLC.**
20. **Explain COCOMO model.**
21. **List the basic principles of project scheduling.**
22. **Explain the bug life cycle.**
23. **State the difference between White box testing and Black box testing.**
24. **Explain in brief the software development life cycle.**
25. **List the advantages and disadvantages of the incremental model.**
26. **What is agility? Explain XP in detail.**
27. **Define SRS. What are the characteristics of SRS?**
28. **Explain any 3 types of UML diagrams.**
29. **Explain various testing metrics.**
30. **Define the various methods of design verification.**
31. Explain the waterfall model.
32. List the umbrella activities followed in generic process model.
33. Define SRS. List the benefits of SRS.
34. Differentiate between waterfall model and spiral model.
35. List the principles of agile methodology.
36. What is the need of feasibility study? Explain its types.
37. State and explain the design modelling principles.
38. Differentiate between function-oriented design and object-oriented design.
39. What is coupling and cohesion?
40. List various types of Testing Metrics
41. What activities are included in design verification?
42. Explain the various cost estimation techniques.
43. Explain different steps included during risk resolving.
44. State and explain different types of risk.
45. Explain how RMMM helps in identifying the severity of risk.
46. Write a short note on Verification and Validation
47. Define Six Sigma with its methodologies.
48. Explain the concept of testing with different levels of testing.
49. State and explain the phases in SDLC.
50. Write a short note on spiral model.
51. Explain COCOMO model.
52. List the basic principles of project scheduling.
53. Explain the bug life cycle.
54. State difference between White box testing and Black box testing
55. Explain in brief the software development lifecycle.
56. List the advantages and disadvantages of incremental model.
57. What is agility? Explain XP in detail.
58. Write a short note on spiral model.
59. Define SRS. What are the characteristics of SRS?
60. Explain any 3 types of UML diagrams.
61. Explain various testing metrics.
62. Define the various methods of design verification.
63. Discuss the various cost estimation parameters.
64. Write a short note on COCOMO Model.
65. Explain metrics of software quality.
66. What are the metrics for object-oriented design.
67. State and explain different levels of testing.
68. Explain the bug life cycle.
69. Write a short note on White box testing and Black Box testing.
70. Differentiate between Verification and Validation.
71. Explain the different categories of Risk.
72. What are the factors of writing a good test plan?
73. State and explain design modelling principles.
74. Draw use case diagram for Car Rental System.
75. Differentiate between coupling and cohesion.
76. Explain activity diagram with example.
77. State and explain the seven principles of Software Testing
78. What is the role of SQA? State the task of SQA.
79. Why spiral model is called as Evolutionary model?
80. Explain Incremental Model with its advantages and disadvantages.
81. List components of SRS.
82. Explain Agile Development.
83. What is Software? Differentiate between software and hardware.
84. Design Software documentation for library management System by using following diagrams:

1)Use case Diagram

2)Sequence Diagram

1. What are the metrics for object-oriented design?
2. How function-oriented approach is different than object-oriented approach.
3. Discuss the various design modelling principles.
4. Differentiate between coupling and cohesion.
5. What is COCOMO Model?
6. Describe types of coupling.
7. Explain RMMM plan.
8. What is Project Scheduling? What are its basic Principles?
9. Explain different types of risk.
10. Differentiate between Software quality control and Software Quality Assurance.
11. What is Software Metrics? What are its Types?
12. Differentiate between Verification and Validation.
13. Write a short note on CMM
14. Explain Six sigma.
15. What are the levels of testing?
16. List Testing Principles.
17. What is white box testing? What are its advantages? Explain any one method of it.
18. Explain Equivalence Partitioning.