Software Engineering Question Bank

Unit (1 to 8)

1. What is Software Engineering?OR
2. Explain Software Engineering:A Layered Technology.
3. What is the importance of process model development software systems?OR
4. Explain Prototype Process Model.
5. SDLC stands for?
6. Define Software Project Management
7. Discuss direct matrix and indirect matrix
8. List out the Software Development Project Classification
9. Discuss W5HH Principle
10. List out different Empirical Estimation Models and explain to anyone.
11. ExplainCOCOMOmodel.
12. Explain Use CASE and types of relationships.
13. UML stands for?
14. Explain System Requirement Specification.
15. Illustrate about the role of Validation task Requirement Analysis
16. Describe SRS.
17. Describe Requirement Engineering Task.
18. Explain Quality of good design.
19. Explain Data Centered and Data Flow Architecture design in detail. 20.Explain The process model which is used for development large-scaleSystem.(SPIRAL MODEL)OR
21. Explain Spiral Process Model And Its Advantages. OR 22.Explain Spiral Model detail OR
23. Explain spiral model and describe its advantages over waterfall model.
24. Comparison between Waterfall Model, SpiralModel, IncrementalModel.
25. Compare Incremental and RAD ProcessModel.
26. Explain Agile Methodology In Detail
27. Define Software Sizing Method.
28. List out the Requirement Engineering Tasks.
29. State Elaboration Tasking Requirement Analysis.
30. Define programming principles.
31. Explain unit Testing Techniques.
32. Differentiate between Software Version and Software Revision.

33. Define quality and SAQ?
34. What are different categories of costs associated with Cost of Quality?
35. What is 'Quality Assurance'?
36. Explain Dependable systems.
37. What are the important design issues that have to be considered in Client-Server Software Engineering? Explain in Brief.
38. Explain Layered Architecture in detail.
39. Explain User interface design process in detail.
40. What is interdependence among modules? Explain in detail.
41. Which module performs a single task? Explain in detail.
42. Write Difference between Cohesion and coupling
43. Explain various coding standards.
44. What are the different testing strategies? Explain any one with suitable examples.
45. What is 'Quality Audit'?
46. Daily Standup Meetings?
47. What is Software Configuration Management (SCM)?
48. Why Does Software Quality Management Matters?
49. state the difference between SQA and SQC?
50. What is Resilience Engineering?
51. Explain black box and white box testing.
52. Define the meaning of quality assurance. Explain the role of testing in Quality Assurance.
53. Give the detail of quality parameters which are used in a software system
54. List principal dependability properties.
55. What is the system fault?
56. What is Security Engineering?
57. What is Product Backlog in Scrum?
58. Define Error, Defects.
59. Explain Advantages of Software Reuse
60. Briefly explain scrum development.
61. Difference between White-Box Testing and Black-Box Testing.. 62. Explain types of Components Based Software Engineering Processes in Details. 63. What are Architectural patterns applicable for distributed systems? 64. List and Brief System Engineering Tools.