

## Software Engineering

Q1. What is a prototype model? Under that circumstances is it beneficial to construct a protopotype model?

Q2. Explain in detail the capability maturity model and also differentiate it with ISO ?

Q3.what mean by term cohesion ?explain different type of cohesion?

Q.4 what do you mean by coupling ?explain different type of coupling?

Q.5 what are the test planes and test cases? Illustrate it by an example.

Q.6 what are software re-engineering activities ? discuss

Q.7 explain in details various cycle of spiral model. Also state advantages and dis advantages of this model?

Q.8 define software engineering? Explain in brief about evaluation of software ?

Q9 what is srs? Who are the different categories of uses of the srs document? What are their expectations from the srs document?

Q10 explain the principle of design and different concepts used in design of large softwares ?

Q11. Discuss the major advantages of Object Oriented design approach over the function oriented design approach?

Q12. What are the TOP-DOWN and BOTTOM-UP integration testing? Explain With example?

Q13.Discuss The White Box Testing in detail?

Q14. Define software matrix. Why metrcs are required in software? Discuss

Q15. Explain The followings

- I. Software Quality Attributes
- II. Software Crises

Q16. a) What is software Engineering?

b) Describe the characteristics of software?

Q17. a) Differentiate between module and software component?

b) What is more important: Product or Process? Justify your answer?

c) Explain the role of management in software development?

Q18. What are the components of the software? Discuss how a software differs from a program?

Q19. What do you understand by the term Software Development Life Cycle?

Q20. Compare iterative enhancement model and evolutionary process model?

Q21. Explain software myths in detail?

Q22. Discuss the generic waterfall model with the help of diagrams?

Q23. Discuss the significance and use of requirement engineering. What are the problem in the formulation of the requirements?

Q24. Explain the advantages and disadvantages of waterfall model?

Q25. Explain the use case approach of requirement elicitation. What are use case guidelines?

Q26. Explain feasibility study in detail?

Q27. Discuss the prototype model. What is the effect of designing a prototype on the overall cost of the software project?

Q28. Compare the waterfall model and the spiral model of software development?

Q29. Explain the requirement engineering process in detail?

Q30. Explain The different types of testing in detail?