

ANNA UNIVERSITY COIMBATORE  
B.E. / B.TECH. DEGREE EXAMINATIONS : DECEMBER 2009  
REGULATIONS – 2007  
FOURTH SEMESTER  
070230018 - SOFTWARE ENGINEERING  
(COMMON TO CSE / IT)

TIME : 3 Hours

Max.Marks : 100

PART – A

(20 x 2 = 40 MARKS)

ANSWER ALL QUESTIONS

1. What is WIN WIN Spiral Model?
2. Difference between Verification and Validation
3. What is Prototyping paradigm is suitable?
4. What is Software Engineering?
5. What is meant by State Diagram?
6. What is the need for Software Documentation?
7. Define Elaboration.
8. What are the elements of Analysis Model?
9. Define Software Architecture.
10. What are Real Time Systems?
11. What are the responsibilities of SCM?
12. What is meant by Status Reporting?
13. What are the three categories of Debugging?
14. Give the Testing strategies for Conventional software
15. Define White Box Testing.
16. Define Regression Testing.
17. What is the estimated effort in COCOMO model
18. What is meant by Direct and Indirect measures of software
19. What is meant by risk analysis in Case Tools

20. How many classes are there in Change Management? What are they?

PART – B

(5 x 12 = 60 MARKS)

ANSWER ANY FIVE QUESTIONS

21. Discuss about any three Software process model in detail.
22. Explain System engineering in detail and System engineering hierarchy.
23. Explain the Software Requirement engineering tasks and the steps in Initiating the Requirement Engineering Process in detail.
24. a. Discuss Data Modeling concept in detail. 6  
b. Explain the Behavioral Model using an example. 6
25. Explain SCM in detail.
26. a. Discuss about the Validation testing, System testing. 6  
b. Explain the art of Debugging in detail. 6
27. Define Black Box testing and explain the various methods involves in that.
28. a. Explain how to define a Task Network. 4  
b. Explain the Scheduling methods in detail. 8

\*\*\*\*\*THE END\*\*\*\*\*