

**Anna University – Regulation 2013**

**Part B Important Questions – 4 th Semester BE/BTECH**

**Department OF B.E. COMPUTER SCIENCE AND ENGINEERING**

**CS6403 Software Engineering**

**Unit I - V**

1. Discuss about the COCOMO models for cost estimation
2. Discuss the process model is best suited for risk management
3. Discuss Loc based estimation techniques in detail
4. Discuss in detail about the activities involved in software engineering
5. Explain (a) Incremental process model (b) Evolutionary process model (c) Rapid Application Development Model (d) Spiral model (e) Agile software development
6. Explain the software requirement engineering process
7. What is the purpose of dataflow diagram? What are the notations used for the same. Explain by constructing context flow diagram for level-0 DFD and level-1DFD for a library management system
8. What is requirement elicitation.. describe the various activities performed in requirement elicitation phase with an example
9. Discuss various requirements of engineering activities
10. Discuss the requirement analysis in SDLC
11. Discuss the importance of Software requirement specification .Explain typical SRS structure and its parts
12. Explain modular design and component level design in detail
13. Explain the design considerations and rules of interface design
14. Discuss coupling and cohesion methods
15. discuss structured design process from DFD to structured chart with a case study
16. Explain the unit testing and integration testing process
17. Draw use case and data flow diagrams for a restaurant system, the activities of the restaurant system are listed below. Receive the customer food orders, produce the customer ordered foods, serve the customer with their ordered foods, collect payment from customers, store customer payment details, order raw materials for food products, Pay for raw materials and pay for labour
18. A program specs state the following for an input field: The program shall accept input value of 4-digit integer equal or greater than 2000 and less than or equal 8000. Determine the test cases using (a) Equivalence class partitioning (b) Boundary value analysis
19. Discuss various integration and debugging strategies followed in software development

20. What is black box testing? Explain different types of black box testing strategies
21. Discuss black box vs white box testing
22. Explain (a) basis path testing
23. Explain in detail about the risk management in detail
24. Discuss about COCOMO II model
25. Discuss project metrics for small organization
26. Explain (a) Project Scheduling (b) Project timeline chart and Task network

\*\*\*\*\* All the Best for Exams \*\*\*\*\*

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