

**ANNA UNIVERSITY COIMBATORE**

**B.E./B.TECH. DEGREE EXAMINATIONS: MAY/JUNE 2010**

**REGULATIONS: 2008**

**FOURTH SEMESTER: INFORMATION TECHNOLOGY**

**080250013-SOFTWARE ENGINEERING AND QUALITY ASSURANCE**

**TIME: 3 Hours**

**Max.Marks:100**

**PART-A**

**(20\*2=40 Marks)**

**ANSWER ALL QUESTIONS**

1. Which of the software engineering paradigms would be most effective?
2. What are the Classifications of Systems Engineering?
3. Define the computer based system?
4. What does Verification represent?
5. What are the benefits of prototyping?
6. Define Data Dictionary?
7. Define steps in Behavioral Model?
8. What are the objectives of Requirement Analysis?
9. What are benefits of modular design?
10. How the Architecture Design can be represented?
11. What are the elements of Design model?
12. What are the Types of the Interface Design Elements?
13. Define structural testing.
14. What are the common approaches in debugging?
15. What are the various types of system testing?
16. What are the approaches of integration testing?
17. What is the software quality assurance?
18. Define software configuration management?

19. What is quality planning?
20. What are the five major areas of SQA?

**PART-B**

**(5\*12=60 Marks)**

**ANSWER ANY FIVE QUESTIONS**

21. Explain in detail about the life cycle process. (12)
22. Explain software measurement validation? (12)
23. Explain in detail about Functional Modeling. (12)
24. Explain in detail about Structural Modeling. (12)
25. Explain in detail about the real time systems. (12)
26. Explain in detail about Black box testing. (12)
27. Explain in detail about Integration testing. (12)
28. Discuss the Scope of the Software Metrics in detail? (12)

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