

B.Tech Degree V Semester (Supplementary) Examination June 2011

CS/IT 503 SOFTWARE ENGINEERING (2006 Scheme)

Time : 3 Hours

Maximum Marks : 100

PART A (Answer all questions)

(8x5=40)

- I. a) What do you mean by software lifecycle? What is the use of software lifecycle model while developing a software?
- b) What do you mean by SRS? What are the components of SRS?
- c) Write about software reuse.
- d) What do you mean by software maintenance? Write different software maintenance methods.
- e) Differentiate between unit testing, integration testing and system testing.
- f) Write about software reviews.
- g) What do you mean by project scheduling? Write any one project scheduling technique.
- h) What do you mean by software project management? What are its different phases?

PART B

(4x15=60)

- II. Explain with neat diagram, waterfall model for software development. What are the pros and cons of this model? (15)
- OR**
- III. What is DFD? In which phase of software development DFD is using? With neat diagram and example explain about DFD. (15)
- IV. What is cohesion and coupling? How should be cohesion and coupling for a good quality software? Explain different types of cohesion and coupling. (15)
- OR**
- V. Explain component level design. (15)
- VI. What you mean by Software Configuration Management? Explain with neat diagram change control and version control activities in Software Configuration Management. (15)
- OR**
- VII. What is testing? Explain different types of function testing techniques. (15)
- VIII. How can you estimate the cost of a software product? Explain how COCOMO can be used to estimate the cost of a software product. (15)
- OR**
- IX. Explain about CASE tools. Classify them. (15)