

## ***B.Tech Degree V Semester Examination November 2011***

### **CS/IT 503 SOFTWARE ENGINEERING** (2006 Scheme)

Time: 3 Hours

Maximum Marks: 100

#### **PART A** (Answer All questions)

(8 × 5 = 40)

- I. (a) What do you mean by software life cycle? What is the need of software life cycle model?
- (b) What is SRS? What are its components?
- (c) Write about different software maintenance methods.
- (d) What do you mean by software reuse? What is its use?
- (e) Write about ISO 9000 standard.
- (f) Write short notes on  
(i) Unit testing (ii) Integration testing  
(iii) System testing
- (g) What do you mean by software project management? Why is it needed?
- (h) Write about any one project scheduling technique.

#### **PART B**

(4 × 15 = 60)

- II. Explain waterfall model with neat diagram. What are the pros and cons of this model?

**OR**

- III. What is DFD? Which are the symbols used in DFD? Explain the development of a DFD with suitable example.

- IV. Explain about cohesion and coupling. How should be cohesion and coupling for a good quality software?

**OR**

- V. Explain component level design.

- VI. What is the need of SCM? Explain activities involved in SCM.

**OR**

- VII. Explain functional testing.

- VIII. How can we estimate the cost of software project? Explain how COCOMO can be used for project cost estimation.

**OR**

- IX. Explain CASE tools classification.