

**F 9384**

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Reg. No.....

Name.....

**B.TECH. DEGREE EXAMINATION, NOVEMBER 2011**

**Sixth Semester**

Branch—Computer Science and Engineering/Information Technology

**SOFTWARE ENGINEERING (R, T)**

(2002 Admissions onwards—Supplementary)

Time : Three Hours

Maximum : 100 Marks

*Answer all the questions.*

**Part A**

*Each question carries 4 marks.*

1. Explain in detail the role of management in software development.
2. What is SRS ? Explain in detail.
3. What is Project Scheduling ? Explain in detail.
4. Give an account on 'project monitoring plans'.
5. Explain in detail the module level concepts.
6. What is coupling in system design ? Explain in detail.
7. Explain the need for coding in Software Engineering.
8. Explain in detail "Unit testing".
9. What is Error removal efficiency ? Explain in detail.
10. Explain in detail the fundamentals of testing .

(10 × 4 = 40 marks)

**Part B**

11. Explain in detail the phases in software development.

(12 marks)

*Or*

12. Discuss in detail the software development process models.

(12 marks)

13. Give an account on 'COCOMO Model'.

(12 marks)

*Or*

14. Explain the following in detail :

(a) Cost schedule.

(b) Milestone graph.

(6 + 6 = 12 marks)

15. Explain in detail the principles of system design.

(12 marks)

*Or*

16. Explain the top down and bottom up system design strategies. (12 marks)
17. Explain the following in detail :
- (a) Structured programming.
  - (b) Information hiding. (6 + 6 = 12 marks)

Or

18. Explain the principle of Internal documentation in detail. (12 marks)
19. Explain in detail the proneal and structured testing. (12 marks)

Or

20. Explain in detail the reliability assessment in testing. (12 marks)
- [5 × 12 = 60 marks]