F 3575

B.TECH. DEGREE EXAMINATION, NOVEMBER 2010

Sixth Semester

Branch : Computer Science and Engineering/Information Technology

SOFTWARE ENGINEERING (RT)

(Prior to 2007 admissions—Supplementary)

Time : Three Hours   Maximum : 100 Marks

Answer all the questions.

Part A

1. Explain the role of Management in Software development.
2. Explain the software engineering in detail.
3. Explain project scheduling in detail.
4. Explain the Rayleigh curve in detail.
5. What is the principle of problem partioning ? Explain.
6. Explain the module level concepts.
7. Explain the concept of information hiding.
8. What is code reading ? Explain.
9. Explain the testing fundamentals in detail.
10. Define and explain error removal efficiency.

(10 × 4 = 40 marks)

Part B

11. Discuss in detail the software development process models.

Or

12. Explain in detail the phases in software development.
13. Explain the cost estimation and uncertainities in detail.

Or

14. Explain the following :—
    (i) Project monitoring plans.   (6 marks)
    (ii) Quality assurance plans.   (6 marks)
15. Explain in detail the module level concepts.

Or

16. Describe in detail the principles of system design.
17. Explain the following :—
    (i) Internal documentation.   (6 marks)
    (ii) Symbolic execution.   (6 marks)

Or

18. Explain the significance of coding in software engineering.
19. Explain in detail the frictional and shructured testing.

Or

20. Write technical notes on :
    (i) Comparison of verification and validation techniques.   (6 marks)
    (ii) Programmer productivity.   (6 marks)

[5 × 12 = 60 marks]