

**B.TECH. DEGREE EXAMINATION, NOVEMBER 2009****Sixth Semester**

Branch : Computer Science and Engineering/Information Technology

**SOFTWARE ENGINEERING (R, T)**

(Improvement/Supplementary)

Time : Three Hours

Maximum : 100 Marks

*Answer all questions.***Part A***Each question carries 4 marks.*

1. Define and explain software engineering.
2. Explain the role of matrices.
3. Explain about COCOMO model in detail.
4. Explain about Rayleigh curve.
5. Explain about Cohesion in system design.
6. Explain about problem partitioning in system design.
7. Explain about unit testing.
8. Explain about code reading process.
9. Explain the testing fundamentals.
10. Explain the concepts of fault and failure.

(10 × 4 = 40 marks)

**Part B***Each question carries 12 marks.*

11. Describe in detail about Software requirement specification (SRS).

*Or*

12. Describe the various phases in software development.
13. Explain the following in detail :—

(a) project monitoring plans.

(6 marks)

(b) Risk management.

(6 marks)

*Or*

14. Explain the software configuration in detail.

**Turn over**

15. Explain the module level concepts in system design.

Or

16. Explain the procedure of the software design specifications.

17. Explain the code inspections in detail.

Or

18. Give an account on 'Information Hiding'.

19. Explain the fractional and structural testing process in detail.

Or

20. Write short notes on :

- (a) Reliability assessment ;
- (b) Error removal efficiency.

[5 × 12 = 60 marks]