G 2187

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Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, APRIL 2010

Sixth Semester

Branch : Computer Science and Engineering/Information Technology

SOFTWARE ENGINEERING (R, T)

(Regular—2007 admissions ; Supplementary—Prior to 2007 admissions)

Time : Three Hours

Maximum : 100 Marks

Answer **all** *questions.*

Part A

1. What is Software Engineering ? Explain.
2. Explain the process models in Software Engineering.
3. Explain the COCOMO model in detail.
4. What is milestone graph ? Explain.
5. What is cohesion ? Explain.
6. Explain the methods for verifying design.
7. What is unit testing ? Explain.
8. What is meant by code inspection ?
9. Define and explain error removal efficiency.
10. Explain black box and white box testing.

(10 × 4 = 40 marks)

Part B

11. Explain in detail the Software requirement specifications.

Or

12. Discuss in detail the phases in software development.
13. Explain in detail project scheduling.

Or

14. Explain the objectives of software project planning.
15. Explain the top down and bottom up approaches of system design.

Or

16. Explain the structured design methodology in detail.

Turn over

17. Explain the need and applications of coding in Software Engineering.

Or

18. Explain the concept of Information hiding.

19. Explain in detail the testing fundamentals.

Or

20. Write technical notes on :

    (a) Structural testing. (6 marks)

    (b) Reliability assessment. (6 marks)

[5 × 12 = 60 marks]