Reg. No. ☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 51144

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2014.

Seventh Semester

Computer Science and Engineering

080230049 — SOFTWARE TESTING

(Regulation 2008)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is meant by Software Testing?

2. State the challenges in Software testing.

3. What is meant by equivalence Class testing?

4. Define Structural Coverage.

5. What are the Problems in Test Automation?

6. Define Unit testing.

7. What is meant by Extreme testing?

8. What are the key differences in integrating procedural-oriented systems as compared to object-oriented systems?

9. Differentiate between Software debugging and software testing.

10. What is meant by Load runner?

PART B — (5 × 16 = 80 marks)

11. (a) What are the different levels of testing? Explain in detail.

Or

    (b) Describe in detail about Taxonomy of bugs.

12. (a) Explain in detail about basis path testing with an example.

Or

(b) (i) Explain in detail about Boundary value testing.   (8)

(ii) Explain in detail Comparison testing.   (8)

13. (a) Describe in detail about Integration Testing.

Or

(b) Explain in detail Verification and Validation testing with an example.

14. (a) (i) Explain in detail GUI testing for object oriented systems.   (8)

(ii) Explain in detail object oriented Class testing.   (8)

Or

(b) Describe in detail about object oriented System testing.

15. (a) What is meant by Software Testing Tool? Explain it in detail.

Or

(b) Explain in detail Debugging Process.

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