1106

Code : 15CS61T

Register Number

SOFTWARE TESTING

Time : 3 Hours]

[Max. Marks : 100

Instructions : (i)   Answer any **six** questions from Part – **A**. Each carries **5** marks.

(ii)   Answer any **seven** questions from Part – **B**. Each carries **10** marks.

PART – A

1. Differentiate between debugging and bebugging.   5

2. What criteria are used to declare that the testing is complete ?   5

3. Explain regression testing.   5

4. Discuss the code optimization guidelines during code review.   5

5. Describe the incident report.   5

6. Explain cost-schedule-milestone chart tool to review testing process.   5

7. Explain the risk associated with tools.   5

8. Write a note on professional ethics.   5

9. With a diagram explain how tools are introduced in testing process in an organization.   5

[Turn over

PART – B

10. Explain the advantages and disadvantages of in-house testing and outsourcing.   **10**

11. Explain the following :
    (a) White box testing   **5**
    (b) Black box testing   **5**

12. Differentiate between the following :
    (a) Positive and negative testing   **5**
    (b) Aplha and beta testing   **5**

13. With a neat diagram explain the levels of testing.   **10**

14. Explain different checklist in static testing.   **10**

15. Mention important C coding guidelines.   **10**

16. Explain :
    (a) Structural testing at module level   **10**
    (b) Structural testing at system level.

17. Explain specifications based testing and boundary value analysis.   **10**

18. Explain the following :
    (a) COTS software   **10**
    (b) Defect tracking

19. Explain with a diagram the change impact analysis in configuration management.   **10**

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