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Code : 15CS61T

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VI Semester Diploma Examination, April/May-2018

SOFTWARE TESTING

Time : 3 Hours]

[Max. Marks : 100

PART - A

Answer any **six** questions. Each carries **five** marks.

6 × 5 = 30

1. What is the power of software ? List any two challenges in s/w development. 5
2. Write a note on s/w fiasco. Explain any one fiasco. 5
3. What is Performance Testing/Load Testing ? Explain. 5
4. Define Static Testing. What are the advantages of static testing ? 5
5. Explain Experience-based Test Case Design Techniques. 5
6. Explain the two options for managers viz : 5
 - (a) Buying COTs software
 - (b) Software Development
7. Explain Defect tracking and classify defects. 5
8. Write a flow-chart to introduce tools in the testing process. 5
9. Explain code of Ethics for software professionals. 5

PART - B

Answer any **seven** full questions. Each carries 10 marks.

10. What are the reasons for s/w failure ? What is the solution ? 10
11. (a) Explain Testing and debugging. 5
(b) Explain Testing choices. 5
12. Explain levels of testing with diagram. Explain each level in brief. 10
13. (a) Distinguish between Alpha Testing and Beta Testing. 5
(b) Write a note on Mutation Testing. 5
14. What do you mean by manual reviews ? Explain formal review process steps. 10
15. What is coding guidelines ? Explain C-coding guidelines. 10
16. Explain Black Box Test Case Design Techniques such as
(a) Specifications based testing with examples. 10
(b) Boundary value analysis with an example.
17. How do you document the test cases ? List down Test Documentation Standards. 10
18. Explain the activities in planning phase with a neat diagram. 10
19. What is the use of testing tools ? Describe the classification of testing tools. 10