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D – 3566

Reg. No. :

Name :

Eighth Semester B.Tech. Degree Examination, December 2017
08.804 : SOFTWARE TESTING (F)

Time : 3 Hours

Max. Marks : 100

PART – A

(10×4=40 Marks)

1. SDLC talks about software development life cycle. Why is it important ? Why should someone care about the life cycle ? Mention your views briefly.
2. How important and essential is testing for a software to be delivered perfectly ? Brief on it.
3. How is Black box testing different from White box testing ? Give an example.
4. What is acceptance testing ? How is it important ?
5. How is test plan different from test case ? Clarify.
6. Mention the importance of building appropriate test data.
7. Why are standards important to be followed for testing ?
8. Highlight the importance of writing a proper test report.
9. Mention the ways in which defect density can be calculated.
10. Write three test scenarios assuming that you are asked to test a Mobile Phone.

PART – B

(Answer **any one** question from **each** Module)

Module – I

11. With clear diagrammatic representation compare any three SDLC models with mentioning the PROS and CONS of each. Assuming you are going to build an elevator, which out of the above two models you would prefer ? Justify. **20**

OR

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12. With a clear example for each, explain the below testing terminologies. **20**
- a) Integration Testing.
 - b) Unit Testing.
 - c) Regression Testing.
 - d) System Testing.

Module – II

13. Mention the importance of a correct and clear test plan. Also, what are the important columns to be included as a part of test case template ? Present a sample test template with appropriate details. **20**

OR

14. a) Testing object oriented software always is challenging and additional care has to be taken. What are the challenges involved and what are the points to be considered for the testing process ? **10**
- b) Mention the importance of generating test data. Also, mention the ways of generating test data through tools with appropriate example. **10**

Module – III

15. How important are the technical reviews in software ? What are the types of reviews carried out normally to ensure quality ? Explain in detail about FTR (Formal Technical Review) with an example. **20**

OR

16. Explain the term quality with respect to software. Relate cost to quality. Relate testing to quality with an appropriate example to support your point. **20**
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