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1838

Reg. No. : .....

Name : .....

**Eighth Semester B.Tech. Degree Examination, April/May 2012  
(2008 Scheme)**

**08.804 : SOFTWARE TESTING (F)**

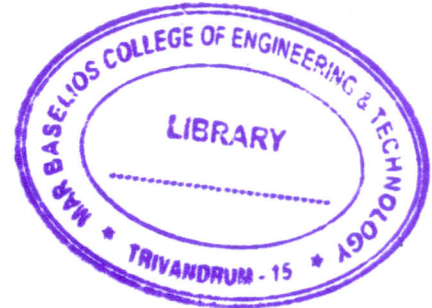
Time : 3 Hours

Max. Marks : 100

**PART – A**

Answer **all** questions.

1. Enumerate the characteristics of software that sets it apart from other products.
2. Describe the agile development approach.
3. Differentiate between guidelines and standards.
4. Write a note on complexity testing.
5. List the advantages of test planning.
6. Explain the importance of test standards.
7. Which are the various resources to be planned for during testing ?
8. Describe any metrics for determining the effectiveness of testing.
9. Define (i) test case efficiency (ii) defect density.
10. What is the significance of expected Vs actual defect uncovered time line ?



**(10×4=40 Marks)**

P.T.O.



## PART – B

Answer **one** question from **each** Module.

## MODULE – I

11. a) Explain the waterfall model. Which kind of projects is it suitable for ? **10**  
b) Describe the different levels of testing. **10**
12. a) Compare and contrast alpha testing and beta testing. **10**  
b) Explain the process of developing a testing methodology. **10**

## MODULE – II

13. a) Describe the test objectives as given in test plan template. **10**  
b) Briefly explain the following test data prioritisation techniques. **10**  
i) error guessing      ii) state transitions.
14. a) Explain the challenges involved in testing object oriented software. **12**  
b) Describe the characteristics of a good test scenario. **8**

## MODULE – III

15. a) What are the main contents of final test report ? **10**  
b) Explain the function/test matrix. **10**
16. a) What is defect leakage ratio ? How is it calculated ? **8**  
b) What is bench marking ? Explain the bench-marking process steps. **12**
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