VIII Semester B.Tech Degree Examination

(2013 Scheme)

13.806 SOFTWARE TESTING (F)

Time: 3hrs   **Marks: 100**

Part A

(Answer All questions, Each Question carries 4 marks)

1. Explain the principles of software testing.

2. Why is it necessary to plan the testing process?

3. What are the advantages and limitations of using test standards?

4. What are the different types of Benchmarking?

5. What actions are to be taken for risk control management?

Part B

(Answer Any One question from each module, Each Question carries 20 marks)

Module I

6. a) What is Integration testing? Explain in detail the various approaches of integration testing. (10)

   b) Explain in detail some acceptance test criteria. (10)

7. a) Explain the various levels of testing. (10)

   b) Explain the process of developing testing methodology. (10)

Module II

8. a) Describe the tools used to build test data. (10)

   b) What are test scripts? Explain how a test script is developed, executed and how result is analysed.

(10)

9. a) What is test scenario? What are the characteristics of a good test scenario? (10)

   b) Describe the salient features of web application testing. (10)

Module III

10. a) Explain any four types of test status reports. (10)

   b) Describe about
           i) Test team efficiency
           ii) Test case efficiency   (10)

11. a) Explain about defect density and defect leakage ratio. What is the difference between these two

metrics? (10)

   b) Discuss in detail about the test reports generated in integration testing, system testing and acceptance testing. (10)

Module IV

12. a) Explain in detail the configuration management process. (20)

13. a) What is automation testing? Explain why, when and how automation testing is used. (12)

   b) Explain about test management and bug tracking tools.   (8)