

Code No: RT41054

R13

Set No. 1

IV B.Tech I Semester Supplementary Examinations, February - 2019

SOFTWARE TESTING METHODOLOGIES

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

Question paper consists of Part-A and Part-B

Answer ALL sub questions from Part-A

Answer any THREE questions from Part-B

PART-A (22 Marks)

1. a) What is Static testing? Explain briefly. [4]
- b) Discuss briefly about State table Based Testing. [4]
- c) Write Advantages of White Box Testing. [4]
- d) What is Regression Testing? Explain briefly. [4]
- e) What is Test Suite? Why it grows? [3]
- f) What is Automated Software Testing? [3]

PART-B (3x16 = 48 Marks)

2. a) What is STLC? Discuss various steps involved in STLC with neat sketch. [10]
- b) State the myths and facts about software testing. [6]
3. a) Describe in detail Verification and Validation activities. [8]
- b) What is Cause Effect Graph? Write steps for drawing cause effect graph. [8]
4. a) Briefly discuss the pros and cons of Inspections and Structured Walkthroughs. [8]
- b) How do you represent Graph matrices for testing process? Device the same with example. [8]
5. a) Explain about functional testing in detail. [8]
- b) Explain various types of Regression Testing. [8]
6. a) What is Test Suit Prioritization? How should prioritize test cases in Software Testing? [10]
- b) Discuss on SQA models. [6]
7. a) What is OOT? Explain Object oriented System testing techniques. [8]
- b) List and explain challenges in testing for web based software. [8]