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
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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]

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