

Paper / Subject Code: 56401 / Software Testing
(3 Hours)
[Total Marks: 100]
N.B

- **Q1. Is Compulsory.**
- **Solve any 4 questions from Q2. To Q7.**

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- Q.1 A) What is State Transition Testing Technique? Draw the transition tree for a Stack. 10
 B) Explain General principles of testing? What must be the psychology of testing? 10
- Q.2 A) Explain the difference between verification and validation? Explain how these activities play role in V- model? 10
 B) Why test cases are prioritized? Mention the criteria for prioritizing the test cases. 10
- Q.3 A) What are Generic types of Testing? Explain Functional v/s non-functional testing? 10
 B) What is mean by review? Explain different Steps in review process? 10
- Q.4 A) What is Incident Management? Explain Incident reporting and Incident Status Model in detail 10
 B) Explain Equivalence class partitioning and boundary value analysis with an example? 10
- Q.5 A) Explain the criteria for selecting the test tools? 10
 B) Explain the Integration testing in terms of Test object and Test Strategies 10
- Q.6 A) Explain cost and Economy aspects of testing. 10
 B) Draw CFG and calculate statement coverage, branch coverage for the given code 10
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main()
{
 IF A = 10 THEN
 IF B > C THEN
 A = B
 ELSE
 A = C
 ENDIF
 ENDIF
 Print A
 Print B
 Print C
}

```
- Q.7 Write Short notes on:  
 1. Test Exit Criteria  
 2. Intuitive and Experience Based Testing  
 3. Load, stress testing.  
 4. OO Testing
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