

Roll No.

Total Pages : 03

BT-8/M-19
SOFTWARE TESTING (E-III)
CSE-412N

38155

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt *Five* questions in all, selecting exactly at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. (a) Why effective software testing is hard ? Explain using suitable examples. 7½
(b) What is SDLC ? How is it different from STLC ? Explain. 7½
2. What is meant by verification ? How verification can be done at requirement, high-level design and low-level design ? Explain in detail. Also differentiate between verification and validation. 15

Unit II

3. (a) How the equivalence partitioning and cause-effect graphing is used for testing ? Explain using suitable examples. 7½
(b) Differentiate between boundary value analysis and worst case testing. 7½
4. Describe the various techniques for control flow and data flow based testing using suitable examples. 15

Unit III

5. (a) State and explain various guidelines for prioritization during testing. 7½
(b) What is Slice Based Testing ? Explain its merits and demerits in comparison to other types of testing. 7½
6. (a) Comment on the need of system testing ? How is it different from integration testing. 7½
(b) What is domain testing ? How it can be done ? Explain using suitable examples. 7½

Unit IV

7. What are the challenges in object-oriented software testing? Describe various class testing strategies in detail.

15

8. Write short notes on the following :

- (a) User-Interface Testing
- (b) Performance Testing
- (c) Usability Testing.

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