

23073

M. Tech 2nd Semester (IT)

Examination – May, 2018

**SOFTWARE VERIFICATION VALIDATION AND
TESTING**

Paper : MTCE-608-A

Time : Three Hours]

[Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any *five* questions. All questions carry equal marks.

1. (a) What is Testing ? Give its Limitations.
(b) What is Test Case Designs ? Explain its types.
2. Explain the followings :
 - (i) Bug Classification
 - (ii) Testing Life Cycle
 - (iii) Testing Principles
3. (a) Differentiate between Verification and Validation.

(b) Give the Verification of LL and UI Designs.

4. Explain the following :

- (i) Black Box Testing
- (ii) Boundary Value Analysis
- (iii) State Table Based Testing

5. Explain Basic Path and Loop Testing in Detail.

6. What is Static Testing ? Give and explain its types.

7. What are Coupling and Cohesion ? Give and explain their types.

8. Explain the following :

- (i) Stress Testing
 - (ii) System Testing
 - (iii) Reduction of No. of test Cases
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