

23073

M. Tech. 2nd Semester (CSE)

Examination, May-2017

**SOFTWARE VERIFICATION VALIDATION AND
TESTING**

Paper-MTCE-608-A

Time allowed : 3 hours]

[Maximum marks : 100

Note : Attempt any five questions.

1. (a) What is testing ? Give its goals and models
(b) Explain Limitations of Testing.
2. (a) Explain the following :
 - (i) Error
 - (ii) Bug
 - (iii) Failure(b) Explain different testing principles
3. (a) Differentiate between Verification and Validation.
(b) Explain different validation activities.
4. Explain the following :
 - (i) Error Guessing
 - (ii) Graph Based Testing
 - (iii) State Table Based Testing.

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5. Explain 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) Functional Testing
 - (ii) System Testing
 - (iii) Regression testing.

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