

Roll No. ....

**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.

23073-300 -(P-2)(Q-8)(18)

P. T. O.

- (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
-