

M TECH
(SEM-I) THEORY EXAMINATION 2018-19
SOFTWARE TESTING & AUDITING

Time: 3 Hours**Total Marks: 70****Note:** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

- 1. Attempt all questions in brief. 2 x 7 = 14**
- a. What is KLOC?
 - b. Explain Defects.
 - c. What is Random Testing?
 - d. Explain Acceptance Testing.
 - e. Define Alpha Testing.
 - f. Explain Beta Testing.
 - g. Explain Status Meeting.

SECTION B

- 2. Attempt any three of the following: 7 x 3 = 21**
- a. How oriented testing object is different from procedural testing?
 - b. What are Test comparators? How activity of debugging is different from testing?
 - c. Explain the following terms (i) Test Case (ii) Test Suite
 - d. Briefly describe the test design strategies.
 - e. Explain the need of level of testing in detail.

SECTION C

- 3. Attempt any one part of the following: 7 x 1 = 7**
- (a) How Software Review is done in Audit? Also differentiate between Software audit & peer review.
 - (b) Explain the different types of Review process in Software Audit.
- 4. Attempt any one part of the following: 7 x 1 = 7**
- (a) Write Short Note on followings with suitable example (i) Unit Testing (ii) Regression Testing
 - (b) Explain various Coverage and control flow graphs. Explain the Covering code logic with example.
- 5. Attempt any one part of the following: 7 x 1 = 7**
- (a) Explain the role of White box test design in detail.
 - (b) .
- 6. Attempt any one part of the following: 7 x 1 = 7**
- (a) Explain the followings (i) SCM (ii) Boundary value analysis
 - (b) Explain the followings (i) (ii) Fagan Inspection (iii) EVM
- 7. Attempt any one part of the following: 7 x 1 = 7**
- (a) .
 - (b) .