Printed Pages: 01 **Subject Code: MTCS022**

Paper Id: 210110 **Roll No:** | | | | | | | | | | |

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)

http:\\www.aktuonline.com