

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to JNTUA, Anantapur)

M.C.A. V Semester (SVEC14) Regular/Supplementary Examinations November - 2017**SOFTWARE TESTING****[MASTER OF COMPUTER APPLICATIONS]**

Time: 3 hours

Max. Marks: 60

Answer One Question from each Unit
All questions carry equal marks

UNIT-I

- 1 a) Explain the various types of risks identified during software development process. 6 Marks
- b) Classify product risk and programmer's risk with examples. 6 Marks
- (OR)
- 2 a) Write the differences between execution and non-execution based testing. Give suitable examples. 6 Marks
- b) Suggest suitable measures for monitoring tester productivity and testing costs. 6 Marks

UNIT-II

- 3 a) Explain about equivalence class testing with examples. 6 Marks
- b) Explain about state-table-based testing. 6 Marks
- (OR)
- 4 a) Differentiate between primary and secondary mutants. 5 Marks
- b) Write about decision table based testing. 7 Marks

UNIT-III

- 5 Explain the types of structural system testing during implementation with examples. 12 Marks
- (OR)
- 6 a) Create a test strategy for any real-time application identifying the various test factors and its techniques. 6 Marks
- b) What is the role of testing tools in software field? How are tools selected and used? 6 Marks

UNIT-IV

- 7 a) Discuss about Object-oriented technology and issues on Object-oriented testing. 6 Marks
- b) Write about integrated testing. 6 Marks
- (OR)
- 8 a) Discuss about the challenges in testing for Web-based software. 8 Marks
- b) Write about "Testing an Application using QTP". 4 Marks

UNIT-V

- 9 a) Differentiate between progressive and regressive testing. 4 Marks
- b) Write about regression test prioritization. 4 Marks
- c) Write about the objectives of the regression testing. 4 Marks
- (OR)
- 10 Write about the following testing tools:
 - i) Load Runner 6 Marks
 - ii) Win Runner 6 Marks