

M.Com. (E-com) Sem-III

306: Software Testing

Objectives :1. To understand testing principles.

2. To understand concept and implementation of testing tool in automation.

Chapter No.	Name of topic in Chapter	Total No. of lectures	Ref. Book & Page Nos
Unit 1. Software Testing	Introduction, Nature of errors An example for Testing	6	Book1, Book2
Unit 2. Software Testing Methods	Testing undamentals, Test Case Design, White Box Testing Black Box Testing	8	Book1, Book2
Unit 3. Testing For Specialized Environments	Testing GUI's, Testing of Client/Server Architectures, Testing Documentation and Help Facilities, Testing for Real-Time Systems	8	Book1, Book2
Unit 4. Software Testing Strategies	Strategic Approach to Software Testing, Unit Testing, Integration Testing, Validation Testing ,System Testing	8	Book1, Book2
Unit 5. Software metrics	Introduction, Basic Metrics, Complexity Metrics	7	Book1, Book2
Unit 6. Testing Tools (Introduction and execution only)	Junit, Apache Jmeter, Winrunner Loadrunner, Rational Robot, Execution examples for Testing Tools.	8	Book1, Book2

References:

Book 1) Software Engineering – A Practitioners Approach

Roger S. Pressman
Tata McGraw Hill
Book 2) Software Engineering for Students- A Programming Approach
Douglas Bell
Pearson Education