SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar
Programme & Subject : B.Sc (CA & IT) – M.Sc (CA & IT) Dual Degree
Semester – 3
US03SIIT21 : Software Testing
(w.e.f June 2020)

Credits : 2   **Exam Duration : 2hrs**
Lectures per week : 2   **All units carry equal weightage.**

Unit	Description in Detail	Weightage (%)
I	**Software Testing** Quality Revolution Software Quality Role of Testing Verification and Validation Failure, Error, Fault, and Defect Notion of software reliability Objectives of Testing Concept of Complete Testing Central Issue in Testing Testing Activities	25%
II	**Testing Fundamentals** Examining the specification Testing the software with blinders Examining the code	25%
III	**Applying your testing skills** Configuration testing Compatibility testing Usability testing Testing the documentation	25%
IV	**Testing Tools, Test Recording and Reporting** Automated testing and test tools Writing and tracking test cases Reporting what you find	25%

Basic Text & Reference Books:
1. Ron Patton "Software Testing", Techmedia publication, 2000.
2. Kshirasagar Naik and Priyadarshi Tripathy "Software Testing and Quality Assurance" Wiley Publications, Student edition,2013.
3. Dr. K. V. K. K. Prasad ,"Software Testing Tools", Dreamtech, 2006.
4. Andreas Spillner, Tilo Linz, Hans Schaefer ,"Software Testing Foundations" , Shoff Publishers and Distributors,2nd Edition, 2007.
5. Srinivas D and Gopalswamy R "Software Testing : Principles and Practices", Pearson Education, 2006