



CO3	1	2	3	3	2	1	1	-	
CO4	2	1	2	3	1	-	-	2	

<b>Content:</b>									
Uni t	<b>SECTION-I</b>								H rs
1	<b>Mobile Testing:</b> Overview, Platforms, Device Types, Native Vs Hybrid Vs Mobile Web, Device Vs Application, Emulator, Simulator, Real Testing Device, Key Difference between Emulator and Simulator, Mobile Testing using UI, Planning & Tools, Hardware Perspective, Frameworks Overview, Android Frameworks, IOS Frameworks.								6
2	<b>Mobile Testing Application:</b> Functional Testing, Performance Testing, Stress Testing, Security Testing, Usability Testing, Compatibility Testing, Laboratory Testing, Power Consumption Testing, Interrupt Testing, Recoverability Testing, Installation Testing, Uninstallation Testing, Updates Testing, Certification Testing, Advantages of Real device and Emulator/Simulator based testing, Disadvantages of Real device and Emulator/Simulators based testing.								9
<b>SECTION-II</b>									
3	<b>APPIUM:</b> How APPIUM Works? Prerequisite to use APPIUM, Install APPIUM Desktop, APPIUM Inspector, Attach Android Emulator to APPIUM, APPIUM Test Case for Native Android App (Calculator), Limitations using APPIUM, Common Encountered Errors and Troubleshooting Steps in APPIUM.								7
4	<b>UiAutomator:</b> What is UiAutomatorViewer? Download & Install UiAutomator, use UiAutomatorViewer, find objects in my application, identify elements for automation, Error one might encounter while using UiAutomatorViewer.  What is Android Debug Bridge (ADB)? USB debugging and ADB Configuration, How to Connect to an Emulator, How to Connect Android Device with ADB, How to Configure ADB for Wi-Fi Support.								8
<b>Practical Content:</b>									
List of programs specified by the subject teacher based on above mentioned topics.									
<b>Text Books:</b>									
1	Effective Methods of Software Testing (3rd Edition) - By William E, Software Perry Wiley, India								
<b>Reference Books:</b>									
1	Software Testing (A Practical Approach) Rajiv Chopra, Mercury Learning & Information Publisher Illustrated edition 2018								
<b>MOOC/Certification Courses:</b>									
1	<a href="https://www.guru99.com/software-testing.html">https://www.guru99.com/software-testing.html</a>								
2	<a href="https://www.tutorialspoint.com/mobile_testing/mobile_testing_overview.htm">https://www.tutorialspoint.com/mobile_testing/mobile_testing_overview.htm</a>								
<b>Question Paper Scheme:</b>									
<b>University Examination Duration: 3 Hours</b>									
Note for Examiner: -									
(I) Questions 1 and 4 are compulsory with no options.									
(II) Internal options should be given in questions 2, 3, 5 and 6.									
<b>SECTION – I</b>									
Q.1 –8 Marks									
Q.2 –11 Marks									
Q.3 –11 Marks									
<b>SECTION - II</b>									
Q.4 –8 Marks									
Q.5 –11 Marks									
Q.6 –11 Marks									

