



	<b>Vulnerability scanner:</b> The Basic Vulnerability Scan, Scanning with NeXpose, Scanning with Nessus, Specialty Vulnerability Scanners, Using Scan Results for Auto ping	
2	<b>Metasploit:</b> Basic commands,Armitage GUI,Pro Console,Vulnerability scan <b>Exploitation:</b> Basic Exploitation, Exploiting Your First Machine, Exploiting an Ubuntu Machine, All-Ports Payloads: Brute Forcing Ports, Resource Files, Wrapping Up	11
<b>SECTION – II</b>		
3	<b>Session Management Testing</b> Testing for Bypassing Session Management Schema, Testing for Cookies attributes, Testing for Session Fixation, Testing for Exposed Session Variables, Testing for Cross Site Request Forgery (CSRF), Testing for logout functionality, Test Session Timeout.	11
4	<b>Client Side Testing</b> Testing for Client Side URL Redirect, Testing for Clickjacking, Test Cross Origin Resource Sharing, Testing for Spoofable Client IP address	11
<b>Practical Content:</b>		
List of programs specified by the subject teacher based on above mentioned topics		
<b>Text Books:</b>		
1	Metasploit The Penetration Tester’s Guide - David Kennedy, Jim O’Gorman, Devon Kearns, and MatiAharoni	
<b>Reference Books:</b>		
1	The Web Application Hecker’s Handbook 2 – DafyddStuttard , Marcus Pinto	
2	Metasploit for Begineers-sagar rahalkar-Packt	
<b>Web References / MOOC / Certification Course</b>		
1	<a href="https://www.tutorialspoint.com/metasploit/index.htm">https://www.tutorialspoint.com/metasploit/index.htm</a>	
2	<a href="https://nptel.ac.in/courses/106/105/106105217/">https://nptel.ac.in/courses/106/105/106105217/</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	