**18CSD41**

**Hall Ticket Number:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **IV/IV B.Tech (Regular) DEGREE EXAMINATION** | | | |
| **December, 2021** | **Computer Science and Engineering** | | |
| **Seventh Semester** | **Cyber Security** | | |
| **Time:** Three Hours | | **Maximum:** 50 Marks | |
| *Answer Question No.1 compulsorily.* | | | (10X1 = 10 Marks) |
| *Answer ONE question from each unit.* | | | (4X10=40 Marks) |
|  | | |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. | a) | What is metasploit Framework? | CO1 |  |
|  | b) | List any four Meterpreter Network Commands. | CO1 |  |
|  | c) | What is Recon-NG Framework? | CO1 |  |
|  | d) | What is Zenmap ? | CO2 |  |
|  | e) | What is Virus? Briefly explain. | CO2 |  |
|  | f) | What is Burp suite? | CO2 |  |
|  | g) | What is Kismet? | CO2 |  |
|  | h) | Write short notes on Fern WIFI Cracker. | CO3 |  |
|  | i) | Write any Snort rule to avoid the ping connection. | CO4 |  |
|  | j) | What is FTK imager? | CO4 |  |
| **Unit -I** | | | | |
| 2. | a) | Explain the step-wise procedure to generate a payload and to attack a target system using Metasploit Framework? | CO1 | 5M |
|  | b) | How to capture web cam video and Screenshots using Metasploit Framework? | CO1 | 5M |
| **(OR)** | | | | |
| 3. | a) | Explain the step-wise procedure to setup Kali Linux, Windows 7 and Metasploitable 2 as Virtual Machines(VMs) using VMWare Player on a host computer. | CO1 | 5M |
|  | b) | What is Meterpreter? Explain any four network commands. | CO1 | 5M |
| **Unit -II** | | | | |
| 4. | a) | Explain about (i) ReconNG (ii)Dmitry | CO2 | 5M |
|  | b) | Explain about cyber security attacks (i)Phishing (ii)Session Hijacking | CO2 | 5M |
| **(OR)** | | | | |
| 5. | a) | Explain about (i) nmap (ii) Zenmap | CO2 | 5M |
|  | b) | Explain about cyber security attacks (i) denial-of-service (ii)cross-site scripting | CO2 | 5M |
| **Unit -III** | | | | |
| 6. | a) | Explain about Web Application hijacking tools. | CO3 | 5M |
|  | b) | Explain in detail about Authentication Techniques. | CO3 | 5M |
| **(OR)** | | | | |
| 7. | a) | Explain about how to use MacChanger to change the Address(MAC) of Wi-Fi Card | CO3 | 5M |
|  | b) | Explain about how to scan and analyse the data using Kismet | CO3 | 5M |
| **Unit -IV** | | | | |
| 8. | a) | Find What is Firewall, packet traffic, protocol, port. | CO4 | 5M |
|  | b) | Define IP Tables. Write any three rules with IP Tables. | CO4 | 5M |
| **(OR)** | | | | |
| 9. | a) | What is IR? Explain the Goals of IR? | CO4 | 5M |
|  | b) | Explain about IR Methodologies based on Procedure. | CO4 | 5M |

****