# Hall Ticket Number:

20CB505

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III/IV B.Tech (Regular) DEGREE EXAMINATION

# January, 2024 Cyber Security

**Fifth Semester Ethical Hacking & Social Engineering**

**Time:** Three Hours **Maximum:** 70 Marks

***Answer question 1 compulsory.* (14X1 = 14Marks)**

***Answer one question from each unit.* (4X14=56 Marks)**

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|  |  |  | CO | BL | M |
| 1 | a) | Define Hacking | CO1 | L1 | 1M |
|  | b) | Define Footprinting | CO1 | L1 | 1M |
|  | c) | What are Malicious Software? | CO1 | L1 | 1M |
|  | d) | What is the command to install Veil Framework | CO2 | L1 | 1M |
|  | e) | Differentiate Exploit and Payload | CO2 | L1 | 1M |
|  | f) | What is the command to remove any package from Kali Linux | CO2 | L1 | 1M |
|  | g) | Define DDoS attack | CO3 | L1 | 1M |
|  | h) | Which burp suite tool is used for web application mapping? | CO3 | L1 | 1M |
|  | i) | What is the use of mod\_security? | CO3 | L2 | 1M |
|  | j) | Define Trojan Horse. | CO4 | L1 | 1M |
|  | k) | What is a botnet? | CO4 | L1 | 1M |
|  | l) | What are the main components of reverse social engineering? | CO4 | L1 | 1M |
|  | m) | What is the purpose of Hacking? | CO1 | L2 | 1M |
|  | n) | What is a Zero-day attack? | CO2 | L1 | 1M |
| **Unit-I** | | | | | |
| 2 | a) | Write a short note on phases of hacking. | CO1 | L1 | 7M |
|  | b) | Explain the information gathering methodology of the Hackers. | CO1 | L1 | 7M |
|  |  | **(OR)** |  |  |  |
| 3 | a) | Define Hacking and how it differ from Ethical Hacking and explain classification of Hackers. | CO1 | L1 | 7M |
|  | b) | Explain the tools being used in the reconnaissance phase. | CO1 | L1 | 7M |
| **Unit-II** | | | | | |
| 4 | a) | Define and explain the importance of following  a) Exploit b) Payload c) LHOST d) RHOST  e) PORTS f) Metasploit Framework g) Meterpreter Shell | CO2 | L2 | 7M |
|  | b) | Explain the process to gain the access of target machine and how to take the screenshot of  Target machine. | CO2 | L2 | 7M |
| **(OR)** | | | | | |
| 5 | a) | Give the syntax and explain following commands used in Meterpreter Shell  a) Upload b) kill c) sysinfo d) uictl  e) ps f) ifconfig g) shell | CO2 | L2 | 7M |
|  | b) | Explain the process to gain the access of target machine and how to upload a file to target machine and download a file from target machine. | CO2 | L2 | 7M |
| **Unit-III** | | | | | |
| 6 | a) | Define SQL Inject attack and Explain different types of SQLi Attacks. | CO3 | L2 | 7M |
|  | b) | What is Burp Suite? Explain various tools used for penetration testing of web applications. | CO3 | L1 | 7M |
| **(OR)** | | | | | |
| 7 | a) | Define Cross Site Scripting and explain different types of cross site scripting vulnerabilities. | CO3 | L1 | 7M |
|  | b) | Explain the role played by Mod\_Security firewall in safeguarding web applications | CO3 | L2 | 7M |
| **Unit-IV** | | | | | |
| 8 | a) | Define Social Engineering and Explain various Human Based Social Engineering attacks. | CO4 | L1 | 7M |
|  | b) | What is Phishing attack and how it works? and explain different types of Phishing Attacks. | CO4 | L2 | 7M |
| **(OR)** | | | | | |
| 9 | a) | Explain the Life Cycle of Social Engineering. | CO4 | L1 | 7M |
|  | b) | What are the preventive measures should be taken to secure data from Social Engineering  attacks? | CO4 | L1 | 7M |

