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Code No: CT3550

SRGEC-R20

III B.Tech II Semester Regular Examinations, May 2023

ETHICAL HACKING

(Artificial Intelligence and Data Science)

Time: 3 Hours

Max. Marks: 70

Note: Answer one question from each unit.

All questions carry equal marks.

5 × 14 = 70M

UNIT-I

1. a) Enumerate different phases of Ethical hacking? Explain each in detail. (7M)
- b) How to perform the penetration test? Explain with evaluation. (7M)

(OR)

2. a) Write briefly about seven steps of information gathering. (8M)
- b) What is cyber–Security Enhancement Act and SPY ACT. (6M)

UNIT-II

3. Explain CEH Scanning Methodology with a clear Block Diagram. (14M)

(OR)

4. a) Describe the process of Detecting Ping Sweeps. (7M)
- b) What is enumeration? Explain NetBIOS Enumeration and Null Session Countermeasures (7M)

UNIT-III

5. a) What are sniffing attacks? How sniffer works? (7M)
- b) What is Denial of Service? Explain Session Hijacking and how it is prevented. (7M)

(OR)

6. a) Explain in detail about Trojan and its types. (7M)
- b) Explain about Virus and its types. (7M)

UNIT-IV

7. a) How Web Servers work? Write about types of Web Server Vulnerabilities. (7M)
- b) What is the purpose of SQL Injection and its Counter measures? (7M)

(OR)

8. a) Evaluate the stages of web application attacks. (7M)
- b) Write about types of Buffer Overflows and methods of Detection. (7M)

UNIT-V

9. Discuss the installation procedure and the use of WLAN Sniffer Tool. (14M)

(OR)

10. a) Explain Firewall types & discuss Perimeter hardware firewall in detail. (7M)
- b) Discuss the steps for installing and using KFSensor as a Honeypot. (7M)
