

Code No.: CY624PE

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III-B.TECH-II-Semester End Examinations (Regular) - May- 2023
ETHICAL HACKING
(CSC)

[Time: 3 Hours]

[Max. Marks: 70]

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A

(20 Marks)

1. a) Identify the fundamental drivers for hackers. [2M]
- b) Write your understanding on Generic Routing Encapsulation (GRE) tunnel. [2M]
- c) How do you deal with the depth of an attack? [2M]
- d) Write the inherent limitations that are associated with ethical hacking. [2M]
- e) How to handle the event of zero knowledge test? [2M]
- f) Elucidate the factors that determine the success or failure of an internal attack. [2M]
- g) Summarize the goal of performing vulnerability analysis. [2M]
- h) How a hacker or a tester can be detected in attacking an organization? [2M]
- i) Provide the overall format of the deliverable. [2M]
- j) Differentiate mitigation and defense planning. [2M]

PART-B

(50 Marks)

2. Analyze different layers in the security architecture and the services offered by these layers. [10M]
- OR
3. Consider any FinTech organization. Explain the iterative process of information security. [10M]
4. Explain multi-phased attacks and their defenses. [10M]
- OR
5. Identify and analyze different drivers fueling the need for security. [10M]
6. Analyse different features of the Internet that can be leveraged to collect valuable information about the target. [10M]
- OR
7. Design an attacking network architecture and explain. [10M]
8. How enumeration is used to perform vulnerability analysis. Explain with examples? [10M]
- OR
9. Explain different areas of concern or vulnerabilities associated with networks and systems. [10M]
10. Analyze the role of incident management in ethical hacking. How it is performed? [10M]
- OR
11. How information is collected in groups and criticality is determined? Explain with an example? [10M]
