

Code No.: CY624PE

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**CMR ENGINEERING COLLEGE: : HYDERABAD**  
**UGC AUTONOMOUS**  
**III-B.TECH-II-Semester End Examinations (Regular) - June- 2024**  
**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) Where the Enumeration data is collected. [2M]
- b) What is the role of ethical hacking? [2M]
- c) Discuss the potential impact of budget constraints when implementing ethical hacking programs? [2M]
- d) Why is timing crucial in planning a controlled attack? [2M]
- e) What is social engineering? [2M]
- f) What is internet reconnaissance? [2M]
- g) List two key elements that are typically gathered during enumeration. [2M]
- h) Why is it crucial to identify the target operating system during exploitation? [2M]
- i) How can the severity of vulnerabilities be effectively communicated in a presentation? [2M]
- j) Why is defense planning important after a test? [2M]

**PART-B**

**(50 Marks)**

2. What is Reconnaissance and how it is initiated? [10M]
- OR**
3. Explain the effective information security process. [10M]
4. More companies are seeking ethical hacking services today than ever before. Why is this the case? [10M]
- OR**
5. What are multi-phased attacks, and why are they important in a controlled attack plan? [10M]
6. What are the key steps involved in managing an ethical hacking engagement? [10M]
- OR**
7. What are the common methods used in physical reconnaissance? [10M]
8. Describe the process of 'looking around or attack' in enumeration and its significance. [10M]
- OR**
9. Define wardialing and how is it used in exploitation? [10M]
10. What are the key components of a penetration testing report document? [10M]
- OR**
11. Explain the steps included in mitigation? [10M]

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