Code No.: CY613OE   R20   H.T.No. ☐ ☐ 8 R ☐ ☐ ☐ ☐

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III–B.TECH–II–Semester End Examinations (Regular) - June- 2024
FUNDAMENTALS OF ETHICAL HACKING
(CSM)

[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)	Who is ethical hacker?	[2M]
b)	What is grey hat hacking?	[2M]
c)	Define time based attack?	[2M]
d)	What are the different types of attacks?	[2M]
e)	What is active reconnaissance?	[2M]
f)	What is baiting in social engineering?	[2M]
g)	What are the elements of enumeration?	[2M]
h)	Write the tolls for crack password	[2M]
i)	What are deliverables in ethical hacking?	[2M]
j)	What is attack mitigation?	[2M]

PART-B   (50 Marks)

2. a) Explain enumeration and vulnerability analysis with respect to network security attack   [5M]

   b) Explain the passive and active reconnaissance.   [5M]

OR

3. Describe the component parts of a information security program   [10M]

4. a) Draw the life cycle of attack and explain in detail?   [5M]
   b) Explain the process of planning for a controlled attack.   [5M]

OR

5. Explain the security policy, standards, policy statement, guidelines and procedure?   [10M]

6. Why is social engineering effective? What are the factors that make companies vulnerable to social engineering attacks   [10M]

OR

7. Illustrate the concepts of observation and dumpster driving with respect to physical security   [10M]

8. List out four technical tools for cracking passwords and explain working of any one in detail   [10M]

OR

9. What is SMTP enumeration? What are the commands used for NTP enumeration   [10M]

10. Explain the concept of document with respect to deliverable   [10M]

OR

11. Explain phases of integration summary in ethical hacking   [10M]

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