Roll No. ☐☐☐☐☐☐☐☐☐☐☐

PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 11-10-2025   **Time:** 09.30am to 11.00am

School: SOCSE	**Program:** B.Tech
Course Code : CCS2504	**Course Name:** Ethical Hacking
Semester: V	**Max Marks**: 50 **Weightage**: 25%

CO - Levels	CO1	CO2	CO3	CO4	CO5
Marks	26	24	-	-	-

Instructions:

    (i) *Read all questions carefully and answer accordingly.*

    (ii) *Do not write anything on the question paper other than roll number.*

Part A

Answer ALL the Questions. Each question carries 2marks.   **5Q x 2M=10M**

1	List out the types of Security	2 Marks	L1	CO1
2	Differentiate between vulnerability vs thread.	2 Marks	L2	CO1
3	Define exploit and risk with example.	2 Marks	L1	CO1
4	List some Common Applications of Linux.	2 Marks	L1	CO1
5	What Is BackTrack?	2 Marks	L1	CO2

Part B

6.	a.	Assume a multinational company faces the following incidents: • A politically motivated group defaces its website. • A skilled individual finds vulnerabilities without permission and reports them online. • A security team hired by the company tests its systems legally. Identify the types of hackers in each scenario, justify your answer, and discuss how organizations should respond.	10 Marks	L2	CO1
	b.	Differentiate between pen test vs vulnerability assessment.	10 Marks	L2	CO1
		Or			
7.	a.	Illustrate and explain the phases of hacking in a systematic manner. Support your answer with a neat diagram.	10 Marks	L2	CO1
	b.	"Different types of penetration testing target different layers of security." Justify this statement by explaining the major types of penetration testing along with tools and methods used.	10 Marks	L2	CO1

8.	a.	Rules of Engagement act as a legal and operational boundary in penetration testing." Justify	10 Marks	L2	CO2
	b.	Differentiate between pen test vs ethical hacking.	10 Marks	L2	CO2
		Or			
9.	a.	Compare any two major Linux operating systems in terms of usage and features.	10 Marks	L2	CO2
	b.	Write a detailed note on BackTrack Linux, highlighting its role in ethical hacking.	10 Marks	L2	CO2