



NAME OF THE SCHOOL
CONTINUOUS ASSESSMENT TEST - I
WINTER SEMESTER 2024-2025

SLOT: F2

Programme Name & Branch : B.Tech. CSE (BCE, BCI)
Course Code and Course Name : BCSE319L, Penetration Testing and Vulnerability Analysis
Faculty Name(s) : Dr. G. PRAKASH
Class Number(s) : VL2024250501984
Date of Examination : 01/02/2025
Exam Duration : 90 minutes
Maximum Marks: 50

General instruction(s):

- Answer All Questions
- M - Max mark; CO - Course Outcome; BL - Blooms Taxonomy Level (1 - Remember, 2 - Understand, 3 - Apply, 4 - Analyse, 5 - Evaluate, 6 - Create)
- Course Outcomes (Type the CO statements covered in this question paper. Use the CO number as per the syllabus copy)

CO1. Familiarized with the basic principles for Information Gathering and Detecting Vulnerabilities in the system.

CO2. Gain knowledge about the various attacks caused in an application.

Q. No	Question	M	CO	BL
1.	Explain the various activities involved in Passive Reconnaissance. What protocol is used to get different information about the domain name we were looking up? How will you find the IP address of the domain name using the CLI?	10	CO1	2
2.	How did Coinbase get exploited by the social engineering attack? What are the remedial measures taken by the CSIRT team? What lessons are learned from this case study?	10	CO1	4
3.	a) Compare and Contrast between the Penetration Testing and Vulnerability Assessment.	5	CO1	4
	b) How will you prioritize the Vulnerabilities found during an assessment? Explain each criterion.	5		2
4.	According to the Indian Legal System, what all are the possible ways to perform the below processes legally and identify the sections imposed for that: a. Hacking b. Damage to Computer System c. Tampering with Computer Source Documents Explain in detail, all the sections and the penalties along with a brief description of IT Act, 2000.	10	CO1	2
5.	As a Penetration Tester, you are supposed to crack the following password: User: admin Hash: a8uf33kljufd88 What type of cracking tool you can use to find the actual password? Narrate the step-by-step procedure to determine the same with proper syntax and semantics.	10	CO2	3