PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 07-10-2025   **Time:** 09.30am to 11.00am

School: SOCSE	**Program:** CSE	
Course Code : CCS2503	**Course Name:** Cyber Security	
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	Differentiate between a virus and a worm	2 Marks	L2	CO1
2	Explain session hijacking	2 Marks	L2	CO1
3	Describe Insider Threat.	2 Marks	L1	CO1
4	Define a Network Security Key.	2 Marks	L1	CO2
5	Differentiate between Dos and DDos	2 Marks	L2	CO2

Part B

Answer the Questions.   **Total Marks 40M**

6.	a.	Explain different cybercrimes targeting networks or devices with suitable examples.	10 Marks	L2	CO1
		Or			
7.	a.	Explain different MITM attacks	10 Marks	L2	CO2

8.	a.	Describe the following domains of Cyber Security i) Network security ii) Application security iii) Zero-trust security iv) Endpoint security v) Cloud security	10 Marks	L2	CO1
	b.	Summarize the CIA Triad in detail.	5 Marks	L2	CO1
		Or			
9.	a.	Describe different DoS attacks	10 Marks	L2	CO2
	b.	Summarize the term vulnerability. Describe Network Vulnerability and Software Vulnerability.	5 Marks	L2	CO2

10.	a.	Explain Common Computer Ethics Rules with examples	10 Marks	L2	CO1
	b.	Summarize the core components of an effective security policy.	5 Marks	L2	CO1
		Or			
11.	a.	Recognize the purpose of a Firewall. Differentiate the types of firewalls.	10 Marks	L2	CO2
	b.	Explain the Network security model with a neat diagram	5 Marks	L2	CO2