Roll No: | | | | | | | | | | | |

PRESIDENCY UNIVERSITY

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 | Established under Section 2(f) of UGC Act, 1956
Approved by AICTE, New Delhi | Approved By BCI
Bengaluru

Mid Term Examinations - October 2026

Date: 06/10/2026 **Time:** 02:00 PM - 03:30 PM

Course Code: CSE3519 **Course Name:** Information Security and Management

Semester: Seventh Semester **Max. Marks:** 50 **Weightage:** 50%

CO - Levels	CO1	CO2
Marks	32	58

PART A: Answer Following Questions. 10 M

Q.N.	Questions	M	CO	BT
1	What are Threats and attacks?	2	CO1	BT1
2	Define DOS and DDOS ?	2	CO2	BT2
3	Explain Need for Information Security Measures?	2	CO2	BT2
4	What is data loss prevention ?	2	CO2	BT2
5	Thousands of compromised computers simultaneously send requests to an online shopping website. Identify the attack and mention its effect.	2	CO2	BT4

PART B : Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
6	Explain the types of Security Threats?explain the goals of infromation security	10	CO1	BT2
7	An employee receives an email that appears to come from the university's IT department asking the employee to “verify” their account through a link. The employee enters their username and password on the linked webpage. Later, the attacker uses these credentials to access confidential university data. Apply your knowledge of information-security concepts to identify the attack vector, attack type, security violation, and appropriate preventive controls.	10	CO1	BT3

PART C: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
8	Explain Data base Encryption ? with example	10	CO2	BT2
9	What is Network segmentation? Explain Without Segmentation and without segmentation ? Why is Network Segmentation Important?	10	CO2	BT1

PART D: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
10	Explain the types of security threats and attacks in detail ?	10	CO2	BT2
11	A company has the following systems: Public website Employee computers Customer database Internet users The security team wants to ensure that a compromise of the public website does not provide direct access to the customer database. Apply the concept of security zones to design an appropriate arrangement for these systems. Explain the security controls that should exist between the zones.	10	CO2	BT3

PTO (Please Turn Over)

PART E: Answer Any 1 Following Questions. 10 M				
Q.N.	**Questions**	**M**	**CO**	**BT**
12	Explain CIA Traid in detail with example ?	10	CO1	BT1
13	Explain the Impact of Data Breaches?	10	CO2	BT1