PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF ENGINEERING
MID TERM EXAMINATION - NOV 2023

Semester : Semester V - 2021
Course Code : CSE3094
Course Name : Sem V - CSE3094 - Cyber Security
Program : B. TECH

Date : 3-NOV-2023
Time : 9:30AM - 11:00AM
Max Marks : 50
Weightage : 25%

Instructions:
(i) Read all questions carefully and answer accordingly.
(ii) Question paper consists of 3 parts.
(iii) Scientific and non-programmable calculator are permitted.
(iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE QUESTIONS   (5 X 2 = 10M)

1. Write a short note on Cyber Security

                                                                    (CO1) [Knowledge]

2. Give some examples for Passive Attacks.

                                                                    (CO1) [Knowledge]

3. Identify the important Website Vulnerabilities.

                                                                    (CO2) [Knowledge]

4. Define Firewalls and it's role in Network Security.

                                                                    (CO2) [Knowledge]

5. Compare Transposition Cipher and Substitution Cipher.

                                                                    (CO3) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS   (4 X 5 = 20M)

6. Explain about Network Security Model with diagram

                                                                    (CO1) [Comprehension]

7. Discuss about Security Mechanisms.

                                                                    (CO1) [Comprehension]

8. Write brief on SQL Injection & XSS attacks with detail.

                                                                    (CO2) [Comprehension]

9. Describe about DOS & DDOS attacks and their causes.

(CO2) [Comprehension]

PART C

ANSWER THE FOLLOWING QUESTION   (1 X 20 = 20M)

10. Discuss the following with example
   (i) Rail-fence Cipher
   (ii) One Time Pad

(CO3) [Application]