

Roll No



**PRESIDENCY UNIVERSITY  
BENGALURU**

**SET A**

**SCHOOL OF ENGINEERING  
END TERM EXAMINATION - JAN 2024**

**Semester :** Semester VII - 2020

**Course Code :** CSE2041

**Course Name :** Computer Security

**Program :** B.Tech.

**Date :** 04-JAN-2024

**Time :** 9:30AM - 12:30 PM

**Max Marks :** 100

**Weightage :** 50%

**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**

**4 X 5M = 20M**

1. Write a short note on Computer Security. (CO1) [Knowledge]
2. Write a short note on Security using Hash function. (CO2) [Knowledge]
3. Explain the Access Management in Computer security. (CO3) [Knowledge]
4. Explain cyber crime. (CO4) [Knowledge]

**PART B**

**ANSWER ALL THE QUESTIONS**

**5 X 10M = 50M**

5. Write a short note on Open Identity Trust Framework. (CO3) [Comprehension]
6. Explain the differences between Assets, Attacks and Threats. (CO1) [Comprehension]
7. How do you Prevent Race Conditions with Shared System Resources. (CO4) [Comprehension]
8. List the steps in writing safe program code. (CO4) [Comprehension]

9. Explain the differences between Symmetric and Asymmetric Algorithms.

(CO2) [Comprehension]

**PART C**

**ANSWER ALL THE QUESTIONS**

**2 X 15M = 30M**

10. Explain Attribute based Access Control (ABAC) with the help of a diagram.

(CO3) [Application]

11. With a neat diagram explain Overview of IT Security Management.

(CO4) [Application]