

D 101215

(Pages : 2)

Name.....

Reg. No.....

**FOURTH SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2024**

(CBCSS)

Computer Science

CSS 4E 03 C—SYSTEM SECURITY

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

Section A (Short Answer)

*Answer any **four** questions.
Each question carries 2 weightage.*

1. What is integrity and availability in system Security ?
2. Explain Modification and Fabrication as security issues.
3. What is Internet Worm ? How does it spread ?
4. List the types of flaws in program security.
5. Define Access Control List.
6. What is a Multilevel Database ?
7. Explain Risk Analysis.

(4 × 2 = 8 weightage)

Section B (Short Essay)

*Answer any **four** questions.
Each question carries 3 weightage.*

8. Outline types of Computer Criminals.
9. Outline the features of Brain Virus.
10. Explain Salami attack.
11. Explain Tagged architecture.

Turn over

12. Outline File protection mechanism.
13. Analyze different aspects of integrity of databases.
14. Outline the steps in Risk analysis.

(4 × 3 = 12 weightage)

Section C (Essay)

Answer any two questions.

Each question carries 5 weightage.

15. Discuss Hardware and Software controls.
16. Identify the kinds of malicious code. Discuss basic concepts and modes of operations of Computer Virus.
17. Discuss memory address protection in Operating systems.
18. Write a detailed account of Organizational Security Policy.

(2 × 5 = 10 weightage)