

QP CODE: 26019270



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc OPERATIONS RESEARCH AND COMPUTER APPLICATIONS

ELECTIVE - CE840402 - CYBER SECURITY

2019 Admission Onwards

2145C667

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. What is information security?
2. What is cyber security?
3. What is DOS?
4. What is digital signature?
5. Write a note on Application development security.
6. What are the security Issues in Hardware?
7. Explain www policies.
8. Define IPR.
9. Define DOS.
10. Define cryptography.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Explain the role of management information system.
12. Write a note on
 - a.Trojan
 - b.Worms
 - c.virus





13. Write a short note on
(i) Database Security (ii) Email Security (iii) Internet Security
14. Write note on CCTV camera.
15. What are the three major models of intrusion detection system?
16. What is the process of reviewing a policy?
17. What are the five components of a security policy?
18. What are the components of cryptography. Explain with a diagram.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. What is security risk analysis? Explain the quantitative and qualitative approaches to security risk analysis.
20. What is firewall? Explain the types of firewall.
21. What are the major cyber laws in India? Why cyber laws are important? Explain.
22. Explain network and its components, What are the types of network?

(2×5=10 weightage)

