



25024537

QP CODE: 25024537

Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, APRIL 2025

Fourth Semester

M Sc OPERATIONS RESEARCH AND COMPUTER APPLICATIONS

ELECTIVE - CE840402 - CYBER SECURITY

2019 ADMISSION ONWARDS

C88135BE

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Write a note on software attacks.
2. What is cyber security?
3. What is spoofing?
4. What is cyber attacks in e-commerce?
5. What are the security architecture layers?
6. What is the difference between authentication and authorization?
7. Define security policies.
8. What is copyright Act ?
9. What is polyalphabetic cipher?
10. Define cryptography.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. What are the types of Information Security Controls?
12. What is the difference between quantitative and qualitative risk analysis ?
13. Write note on IDS.





14. Explain the difference between Risk Management, Risk Assessment, and Risk Analysis.
15. What are the three major models of intrusion detection system?
16. What are the five components of a security policy?
17. What is intellectual property law? Explain it's types.
18. What is DoS attack? Explain it's types.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Explain the types of Information System.
20. Give a brief about cryptography.
21. Explain policy review process.
22. What are the important network models? Explain.

(2×5=10 weightage)

