



QP CODE: 25022380



25022380

Reg No :

Name :

M.Sc DEGREE (CSS) SPECIAL REAPPEARANCE EXAMINATION, APRIL 2025

Third Semester

M.Sc COMPUTER SCIENCE

ELECTIVE - CA800301 - INTRODUCTION TO CYBER SECURITY

2019 ADMISSION ONWARDS

9776454C

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. What is a control?
2. What is the difference between active and passive tokens.
3. Differentiate between a worm and a virus.
4. What are virus detectors?
5. Define Integrity.
6. Which are the various types of one time password?
7. What is data modification attack?
8. What is network security?
9. Explain the term integrity.
10. When IT Act is developed?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Briefly explain about different types of attackers.
12. Discuss the role of cryptography in making it difficult for an outsider to interpret data .
13. Write a note on phishing.
14. Write a note on Layered operating system.
15. What are scripted denial of service attack?





16. Write a note on the types of NIDS.
17. Differentiate between white hat hacker and black hat hacker.
18. Write a note on the penalty for damage to the computer system.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Compare and contrast any three methods for implementing access control.
20. Explain in detail Trusted system function.
21. What is dos attack and explain different types of dos attack?
22. What is cyber crime? How they are classified?

(2×5=10 weightage)

