



QP CODE: 25047407



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Reg No : .....

Name : .....

**M.Sc DEGREE (CSS) EXAMINATION, NOVEMBER 2025**

**Third Semester**

M Sc COMPUTER SCIENCE

**ELECTIVE - CA800301 - INTRODUCTION TO CYBER SECURITY**

2019 ADMISSION ONWARDS

E67FD623

Time: 3 Hours

Weightage: 30

**Part A (Short Answer Questions)**

*Answer any **eight** questions.*

*Weight 1 each.*

1. What is a threat?
2. Distinguish between human threats and non human threats.
3. What is cryptanalysis?
4. What are malwares?
5. Define logical separation.
6. Define monolithic kernel.
7. What is TCP three-way handshake?
8. What is distributed denial of service attack?
9. Which are two situations that can affect the integrity of database?
10. Explain the major Amendments in IT Act 2000.

(8×1=8 weightage)

**Part B (Short Essay/Problems)**

*Answer any **six** questions.*

*Weight 2 each.*

11. What do you mean by Controls? What are the different types of controls used? Briefly explain.
12. Discuss the techniques that can be employed from the user's side for building a safe community for electronic contact.
13. What are the differences between PGP and S/MIME?
14. Describe Computer security classification.





15. What are threats?
16. What are the steps to setup a firewall?
17. Which are cyber crimes against an individual persons?
18. Write a note on the need of ethical hacking.

(6×2=12 weightage)

**Part C (Essay Type Questions)**

*Answer any **two** questions.*

*Weight **5** each.*

19. Explain any 3 methods for implementing access control.
20. Explain in detail Security features of operating System.
21. What is an IDS and what are the functions of IDS?
22. Explain the offences included in IT Act 2000.

(2×5=10 weightage)

