



QP CODE: 25047646



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Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, NOVEMBER 2025

Third Semester

MSc CYBER FORENSICS

Core Course - CF010303 - MALWARE ANALYSIS

2019 ADMISSION ONWARDS

3FB64401

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. Explain different modes for installation of Epeian programs.
2. What is Companion viruses and Source code virus?
3. List the flaws contained in vbash virus.
4. Briefly explain three steps taken place in file infection.
5. What is buffer overflow?
6. Define (i) Send_virus() procedure (ii) Delete_virus() procedure (iii) Create_readme() procedure.
7. Write short note about Anti-virus Fight back.
8. Define spectral analysis.
9. Write short note on Mass memory device management in BIOS functions.
10. Define operation of KOH virus.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. What are the different types computer virus? Explain.
12. Write about the designing of malware.
13. Explain about (i) UNIX_OWR Virus (ii) UNIX_COCO Virus.
14. Explain the Weaknesses and Flaws of the vcomp ex virus.
15. Write about software design flaws.





16. Explain about Behavior checker.
17. Write a short note on Polymorphic virus.
18. Explain The OS Boot Sector Components.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Explain in detail about implementation of polymorphic mechanism.
20. Explain in detail about various procedures of the xanax worm.
21. Write an essay on (i)VME with its figure (ii)Defense against retaliating viruses.
22. Write an essay on (i) xerox worm (ii)The State of the Art.

(2×5=10 weightage)

