25021106

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE / MERCY CHANCE EXAMINATIONS, FEBRUARY 2025

Sixth Semester

B.Sc Cyber Forensic Model III

CORE COURSE - CF6CRT17 - ETHICAL HACKING AND DIGITAL FORENSICS

2019 Admission Onwards

993F9E17

Time: 3 Hours   Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1.   Write a short note on HKEY_DYN_DATA.

2.   Define Blue death.

3.   Write two types of Buffer overflow.

4.   What is SYN-ACK packet?

5.   What is DDoS?

6.   Write a short note on Firewall.

7.   What are the physical security issues in managing threats?

8.   Define computer forensics.

9.   Write a short note on strenght of HIDS.

10. What is XML?

11. What is data Availability?

12. What is KFI?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Write a note on port and socket.

14. What are different types of Buffer overflows and explain it?

15. Explain security controls in application systems controls ISO 27001.

16. What is Zachman Framework?

17. Write a note on TRIP and Strategic risk rating.

18. What are website security threats and explain it?

19. Explain the taxonomy of metadata.

20. Explain the types of evidence.

21. Write a note on novelty detection. And self organising maps.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain Social engineering.

23. Explain port scanning and DNS spoofing.

24. Explain Penetration testing and it's 5 stages.

25. Write a note on journaling and its importance.

(2×15=30)