BACHELOR'S DEGREE (C.B.C.S.) EXAMINATION, NOVEMBER 2022
2020 ADMISSIONS REGULAR AND 2019, 2018 ADMISSIONS SUPPLEMENTARY
SEMESTER V - OPEN COURSE (BCA)
BCA5D01AB18 - SECURITY THREATS AND TRENDS

Time : 3 Hours   **Maximum Marks : 80**

Part A

I. Answer any Ten questions. Each question carries 2 marks   **(10x2=20)**

1. Write down the importance of virus scanners.

2. Define worms.

3. What is the use of Anti-virus software?

4. Discuss Internet Worms.

5. What is DOS attack?

6. Define rootkit.

7. List the security implications of Trojans.

8. What are the reasons for creating Trojans?

9. Define Firewalls.

10. Define APT.

11. How to prevent password cracking?

12. Who is Black Hat Hacker?

Part B

II. Answer any Six questions. Each question carries 5 marks   **(6x5=30)**

13. Write a short note on Macro virus and Polymorphic virus.

14. Explain the countermeasures of botnet attack.

15. Define malware and list down its types.

16. Draw the rootkit detection diagram.

17. Explain the administrative control to address RAT.

18. Explain the discovery and capture phase in APT.

19. Explain a. Preventive controls b. Detective controls c. Corrective controls.

20. Write down the technical controls to address virus and worms.

21. Write down the procedural control to address malware and botnet.

Part C

III. Answer any Two questions. Each question carries 15 marks   **(2x15=30)**

22. Explain the various types of viruses and worms.

23. Define Malware and explain its types in detail.

24. a. Explain RAT with appropriate figures. (10 marks) b. Explain Rootkit with appropriate figures. (5 marks)

25. Explain the preventive measures to address advanced persistent threats and information warfare.