

UNDERGRADUATE END SEMESTER EXAMINATION - OCTOBER 2024
SEMESTER 5 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY (OPEN COURSE)
COURSE : 19U5OCBCA1 : SECURITY THREATS AND TRENDS
(For Regular 2022 Admission and Supplementary 2021/2020/2019 Admissions)

Time : Three Hours

Max. Marks: 75

PART A**Answer All (1 mark each)**

1. What is DNS?
2. Why does the spyware work in stealth mode?
3. Collection of 'Zombies' is called _____.
4. What is zero day vulnerability?
5. A rootkit is a malware that operates in a _____ mode.
6. Excessive pop up adds on the browser is indication of _____
7. ----- is the main cause of a rootkit in a mobile telephony network.
8. Explain elimination stage of virus life.
9. In which phase of APT large number of reserachers are employed?
10. Mention any new trend in cyber security?

(1 x 10 = 10)**PART B****Answer any 8 (2 marks each)**

11. A logical or physical discontinuity in a network to prevent unauthorized access to data or resources is known as-----.
12. Which kind of technical control invoves updating the list of authenticated users of the system?
13. Define trojan.
14. Explain the communication channels for trojans?
15. Define incursion stage of APTs?
16. How RATs help hackers?
17. What are the phases of virus infection?
18. How do you setup a honeypot system?
19. Why are preventive controls considered better than corrective controls?
20. DOS attack is mean by_____.

(2 x 8 = 16)**PART C****Answer any 5 (5 marks each)**

21. Write a short note on the security implications of RAT.
22. Explain the working of Botnet.
23. Explain different stages of virus life.
24. Write down some counter measure for malware infection
25. What are the access control measures that ensure safety of a system against Trojans?
26. Explain technical control?
27. Explain Discovery phase of APT attack?

(5 x 5 = 25)

PART D

Answer any 2 (12 marks each)

28. Explain managerial, technical and procedural controls to address Malwares.
29. What are the indications of Trojan attack?
30. What are the issues caused by virus attack to a computer?
31. Explain the impact of APT'S on security.

(12 x 2 = 24)