

**UNDERGRADUATE END SEMESTER EXAMINATION : OCTOBER 2022**  
**SEMESTER 5 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY (OPEN COURSE)**  
**COURSE : 19U5OCBCA1 : SECURITY THREATS AND TRENDS**

*(For Regular : 2020 Admission and Supplementary - 2016/2017/2018/2019 Admissions)*

Time : Three Hours

Max. Marks: 75

**PART A**

**Answer All (1 mark each)**

1. An overt channel is .....
2. .... is the most difficult virus to code
3. One of the best practice to adopt to control APT and information warfare attack is .....
4. What is a private key?
5. What is DOS attack?
6. What is IDS ?
7. In which phase of APT large number of reserachers are employed?
8. Honey net is .....
9. .... is the main function of a RAT.
10. .... is a type of worm

**(1 x 10 = 10)**

**PART B**

**Answer any 8 (2 marks each)**

11. Why is APT more effective with social engineering?
12. What is DNS?
13. What is Tunnelling?
14. What is a malicious code?
15. What is the difference between Honeypot and IDS?
16. What is Dridex and Dyreza Trojans?
17. Why are preventive controls considered better than corrective controls?
18. What are the counter measures of Botnet?
19. What is FTP?
20. Explain different ways remote access trojans exploit the system?

**(2 x 8 = 16)**

**PART C**

**Answer any 5 (5 marks each)**

21. What is the purpose of regularly auditing the system?
22. Explain the concept of working of malwares?
23. Explain Procedural Control to address Viruses and Worms?
24. Describe the capture phase of APT's.

25. Write a short note on the security implications of RAT.
26. Explain managerial control and procedural control?
27. Explain technical control for botnets?

**(5 x 5 = 25)**

**PART D**

**Answer any 2 (12 marks each)**

28. Write in detail countermeasures of Malware Infection?
29. Explain different phases of Virus infection? Also list out the characteristics of Viruses?
30. Describe what is RAT and its types in detail.
31. Explain the impact of APT'S on security.

**(12 x 2 = 24)**