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**Question Paper Code: 95802**

B.E./B.Tech. DEGREE EXAMINATION, NOV 2023

Fifth Semester

Information technology

19UIT502 - Cyber Security Management

(Regulation 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 5 = 25 Marks)

1. Differentiate computer security and cyber security with a proper example CO1- U
2. Differentiate the functionalities of User name and User card in the authentication process CO3-Ana
3. Classify the benefits of IPS with IDS CO3-Ana
4. How does the data privacy is different from information security? CO1- U
5. Differentiate the Quantitative and Qualitative risk analysis. CO3-Ana

PART – B (5 x 15= 75 Marks)

- 6 (a) Discuss the different types of sources of threats with a proper diagram. CO1- U (15)

Or

- (b) Illustrate the various techniques used in cryptography with a neat diagram CO1- U (15)

- 7 (a) Apply the steps involved in Sky Wiper and Necurs to monitor traffic, log keystrokes and to find the technical complexity using Root Kit. CO2- App (15)

Or

- (b) Apply the concept of DDOS to demonstrate the The Mirai Dyn DDoS Attack in 2016 and The Git Hub Attack in 2018 CO2- App (15)

8. (a) Apply the concept of Network Behavior Analysis in an organization to detect the unusual traffic in the network. CO2- App (15)
- Or
- (b) Apply the concept to monitor the entire session for the state of the connection, and also to check the IP addresses and payloads to maximize the security. CO2- App (15)
9. (a) Illustrate the nine important elements to cover a data in security policies. CO1-U (15)
- Or
- (b) Explain the concepts involved in online privacy with a proper diagram. CO1-U (15)
10. (a) Elaborate the steps involved in the cyber security risk analysis process. CO1-U (15)
- Or
- (b) Discuss the reasons why the election security may be too significant to make online voting a reality in cyber security. CO1-U (15)