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Question Paper Code: 95802

B.E./B.Tech. DEGREE EXAMINATION, NOV 2024

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. What is meant by Black Hat Hackers? CO1- U
2. What is meant by Network security? CO1- U
3. What is meant by Firewall? How does it works? CO1- U
4. Write about the data privacy principles and policies? CO1- U
5. What is meant by cyber warfare?, Give the possible examples. CO1- U

PART – B (5 x 15= 75 Marks)

- 6 (a) Discuss in detail about the harms and vulnerabilities and elaborate how it leads to Risk in the security systems. CO1- U (15)
Or
(b) Explain the types of malwares with example. CO1- U (15)
- 7 (a) Classify the different types of root kits and its installation process in detail with an example CO1- U (15)
Or
(b) Differentiate the best practices used for network protection with proper example. CO1- U (15)
8. (a) Explain in detail about the database disclosure with a diagram CO1- U (15)
Or
(b) Explain in detail about the different encryption techniques used in cryptography. CO1- U (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) Analyze the 6 Phases in the Incident Response Plan in handling incident with cyber security. CO3-Ana (15)
- Or
- (b) Analyze how to manage a data breach with the 6 phases in the incident response tool. CO3-Ana (15)