M.E. / M.Tech. - DEGREE EXAMINATIONS, APRIL/MAY 2023

Second Semester

M.E. – Computer Science and Engineering

20PCSPC202 – SECURITY PRACTICES

(Regulations 2020)

Duration: 3 Hours   Max. Marks: 100

PART - A (10 × 2 = 20 Marks)
Answer ALL Questions

		Marks, K-Level, CO
1.	How intrusion detection system works?	2,K1,CO1
2.	Define the term "Time stamp".	2,K1,CO1
3.	Define DHCP.	2,K1,CO2
4.	State the function of DNS.	2,K1,CO2
5.	Differentiate IPV4 and IPV6.	2,K1,CO3
6.	Define Intrusion detection.	2,K1,CO3
7.	Describe about File Carving.	2,K1,CO4
8.	State how to detect a Spoofed Email.	2,K1,CO4
9.	Compare DC net and Mix Net	2,K2,CO5
10.	Why is SAN Security Important?	2,K1,CO5

PART - B (5 × 13 = 65 Marks)
Answer ALL Questions

11. a) Explain the types of cipher in detail.   13,K2,CO1

OR

b) Explain in detail about Fault Tolerance and Resilience in Cloud Computing Environments.   13,K2,CO1

12. a) Explain how secure communication is ensured in Intranet network system.   13,K2,CO2

OR

b) Explain the architecture of wireless sensor network security with its applications.   13,K2,CO2

13. a) Discuss in detail about Network-Based Intrusion Detection and prevention Systems.   13,K2,CO3

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create   **11974**

OR

b) Explain Generic Policy Architecture with neat diagram.   13, K2, CO3

14. a) Explain in detail about how information is secured while Network   13, K2, CO4
Forensics investigations are Handled at the Preliminary stage.

OR

b) Explain in detail about various Disk Structure and Recovery   13, K2, CO4
Techniques.

15. a) Describe about Password based authenticated Key establishment   13, K2, CO5
Protocols.

OR

b) Discuss in detail about Data Protection techniques followed in   13, K2, CO5
industries.

PART - C (1 × 15 = 15 Marks)

16. a) Explain in detail about Privacy Enhancing Technologies.   15, K2, CO6

OR

b) Discuss in detail about the working of Environmental Monitoring   15, K2, CO6
Systems.