BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025
2024 ADMISSIONS REGULAR
SEMESTER III - MAJOR (COMPUTER APPLICATIONS)
CP3DSE01B24 - Information Security Fundamentals

Time : 1 Hours

Maximum Marks : 35

Part A

Answer any 3 questions from the bunch of CO1. Each question carries 5 mark.　　　　(5x3=15)

1. Explain confidentiality and give two methods to preserve it.　　　　[CO1,Understand]

2. Describe any two types of cyberattacks and how they are executed.　　　　[CO1,Understand]

3. Explain the concept of availability with examples from daily use.　　　　[CO1,Understand]

4. Explain the CIA triad.　　　　[CO1,Understand]

Part A

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark.　　　　(5x2=10)

5. Explain any two privacy policies that organizations must follow.　　　　[CO2,Understand]

6. Describe a scenario where RBAC is better suited than DAC or MAC.　　　　[CO2,Understand]

7. Describe how multi-factor authentication enhances security.　　　　[CO2,Understand]

Part A

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark.　　　　(5x2=10)

8. Discuss the role of Network Address Translation (NAT) in security.　　　　[CO3,Understand]

9. Describe the role of user authentication and session management in OS security.　　　　[CO3,Understand]

10. Describe the limitations of intrusion detection systems.　　　　[CO3,Understand]