

Reg. No. :

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**Question Paper Code:U3905**

Ph.D. COURSE WORK EXAMINATION, APRIL 2024

Elective

Computer Science and Engineering

21PCS905 - SECURITY IN COMPUTING

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) Briefly Explain in detail about  
(i) Denial Of Service (DOS)  
(ii) Comparison of link and End-to- End Encryption. CO1- U (20)  
Or  
(b) Explain in detail about Triple DES with an example. CO1- U (20)
2. (a) Illustrate non-malicious program errors with a suitable example. CO1- U (20)  
Or  
(b) How will you design the firewall Explain it.Explain in detail about Comparison of Firewalls. CO1- U (20)
3. (a) Analyze integrity issues in database design with an example. CO2- App (20)  
Or  
(b) Analyze the purpose of encryption in a multilevel Secure database management system. CO2- App (20)
4. (a) Analyze how general objects are controlled from accessing. CO2- App (20)  
Or  
(b) Analyze the authentication process and how the criteria used for password selection. CO2- App (20)
5. (a) Analyze how patents and trade secrets are involved in protecting program and data? CO2- App (20)  
Or  
(b) Analyze ethical issues in computer security. CO2- App (20)

