

Subject Title: Information Security

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Unit - I:

1. What is Information Security? Explain the goals of Information Security.
2. Explain the Three-dimensional IA model.
3. What is Application Security? What are the user challenges for Application Security?
4. Explain in detail about various data security considerations.
5. Explain in detail about various security technologies.
6. Write about threats to information security.
7. Write short notes on Attacks and Threats.
8. List and explain different types of firewall technologies.
9. Explain different types of VPN.
10. What is E-Cash? Explain in detail about it.
11. Write the differences between IS and IA.
12. What are phishing and security engineering?
13. Differentiate between authentication and authorization.
14. What is Cyber security?

Unit - II:

15. Write in detail about credit/debit/smart card.
16. Explain briefly about digital signature.
17. Explain cryptography and encryption.
18. Write about information security governance and risk management.
19. Explain the objective and scope of IT Act 2000.
20. What are the Intellectual property issues?
21. Overview of intellectual property related legislation in India.
22. What is cryptanalysis?
23. What are the security policies?
24. Explain in detail about Patent and copyright.
25. Define cyber crime and Indian cyber law.