Unit 1

1. Explain the importance of information system?
2. Give the reasons why businesses use information system.
3. How information system has changed its nature from the past?
4. Define Distributed information system.
5. Give examples and applications of DIS.
6. Draw a block diagram of DIS and its components.
7. How liberalization, Globalization and privatization are three mantras of success.
8. Write some disadvantages of DIS.
9. Explain importance of internet in information system.
10. What are benefits and limitations of internet?
11. Explain Web Services and its applications.
12. Explain structure of web services.
13. How do clients communicate with web service?
14. How can we classify security threats?
15. Categories information system attacks.
16. Write about Information security.
17. Explain basic security principal for laptops.
18. Explain how ll you protect sensitive data on system.
19. Explain Mobile computing.
20. What is information system?
21. Explain the architecture of distributed information system.
22. What are the information system threats? Explain the types.
23. Explain Active and Passive attacks.
24. Discuss the basic principle of Information security.

Unit 2

1. Explain functions of E-commerce.
2. What are types of E-commerce?
3. Explain security threats in E-commerce.
4. What is E-governance?
5. What do you know about EDI?
6. What are the benefits of EDI?
7. Explain Electronic payment system.
8. How electronic payment is done by SEPP control.
9. What are types of electronic control system?
10. What do you know about credit cards?
11. Explain advantages and disadvantages of credit cards.
12. Explain debit cards, advantages and disadvantages.
13. What is a virtual organization structure?
14. What are characteristics of virtual organization structure?
15. What are advantages and disadvantages of virtual organization structure?
16. What is biometric system?
17. What are types of biometric?
18. What are criteria of selection of biometric?
19. What are key success factors for biometric systems?
20. What is E-commerce?
21. Explain Firewall in details.
22. Explain the concept of virtual private network.
23. Write short note on:

   i. Viruses

   ii. Worms

   iii. Trojan Horse

   iv. Bombs

   v. Trapdoors

   vi. Spoofs

   vii. E-mail Viruses

   viii. Macro Viruses

   ix. Malicious software

Unit 3

24. Explain categories of Cryptography.

25. What are disadvantages of symmetric cryptography?

26. Explain general approach of attacking a conventional encryption scheme.

27. Explain VPN and its working.

28. What are properties of VPN?

29. Explain benefits of VPN.

30. What is L2TP?

31. Explain digital signature scheme.

32. How does a system firewall works?

33. What is need of a system firewall?

34. What are types of firewall?

35. Explain advantages and disadvantages of application gateways.

36. What are advantages of state full application?

37. What are disadvantages of state full application?

38. What is packet filtering?

39. What are drawbacks of packet filtering?

40. Draw a schematic diagram of system firewall.

41. Explain digital signature generation and verification.

42. What is a signing algorithm?

43. What is Cryptography?

44. . What are the steps to develop a secure information system?

45. Write a short note on "Information Security Governance & Risk Management".

46. Write the steps for digital signal generation and verification.

47. What are the downloadable devices? Explain in details.

48. Explain the backup security measures.

49. What is access control? Write a short note on CCTV.

Unit 4

1. Explain requirement of Patent law.
2. What are advantages of Patent law?
3. What is Copyright Law?
4. What are advantages of Copyright law?
5. What is data mining?
6. Explain Basic steps of Data Mining.
7. Explain SDLC model.
8. What are main functions of SDLC model?
9. Explain coding system in brief.
10. What do you understand by cybercrime?
11. What are types of cybercrime?
12. What is IT-ACT,2000
13. Explain Grey areas of IT-ACT,2000
14. What are functional requirements of SDLC?
15. What are technical requirements of SDLC?
16. Explain Data Mining with a block diagram.
17. Explain some copyrightable materials.
18. When copyright law was established.
19. What do you understand by hacking?
20. What is Patent Law?
21. What are the security policies? Why policies should be developed?
22. Write short note on:
    - i. WWW policies
    - ii. E-mail security policies
23. What are information security standards? Explain- ISO, IT Act, Copyright Act.
24. Write a short note on intellectual property law:
    - i. Software license
    - ii. Semiconductor law