CYBER SECURITY QYESTIONS

1. What do you understand by the term Information Systems? Explain its relevance in today's era.
2. What are the types of Information Systems?
3. How is security risk analysis done?
4. Briefly explain the development process of Information System.
5. Explain the term cyber crime. What measures can be taken to prevent it?
6. What are the security threats for a system connected to internet?
7. What are the types of data security considerations?
8. What are the different types of computer networks?
9. Differentiate between MAN and WAN.
10. What is denial-of-service attack?
11. Differentiate between a virus and a worm.
12. Briefly explain explain working of Intrusion Dectection System.
13. What is an antivirus and how does it work?
14. What is a virtual private network? Explain tunneling and encapsulation with reference to VPN?
15. What are digital signatures and why are they required?
16. Briefly describe various E-payment methods.
17. Explain the transaction process involved in a shopping with a debit card.
18. What are the different types of ecommerce?
19. What are the security threats to E-commerce?
20. Explain the process of purchasing an item (eg T-shirt) from an online retail store(eg Jabong). Explain the process from selecting the item till the receiving of invoice.

21. What is a virus and how does it infect a system?

22. What are the different types of viruses?

23. What is denial of service attack?

24. Explain the terms authentication and authorization.

25. Briefly explain public key cryptography along with a diagram. How is it different from symmetric key cryptography?

26. What are security policies and why are they required?

27. What are the various Information Security Standards?

28. Differentiate between copyright and patent.

29. What is a software license?

30. What is a firewall and why is it required?

31. Explain working of firewall with a diagram.

32. What are the types of firewall?

33. What is access control?

34. Define network security and different types of issues in network security.

35. What is CCTV? Explain its relevance.

36. How is physical security of IT assets done?

37. What is application security?

38. How can we secure a database?

39. What are the various security threats involved in E-mail?

40. What is Non-repudiation and how can it be prevented?

41. What is IT-spoofing?

42. Explain Internet Banking? What are the various threats involved in Internet Banking?

43. What are the various user authentication methods?

44. What is a captcha and why is it required?

45. What is a biometric security? Briefly explain the various Biometric Security techniques?

46. Differentiate between credit card and debit card.

47. Explain security architecture.

48. What is Information Security Governance?

49. What are the different backup security measures?

50. What is a Trojan Horse and how does it work?