

QUESTION BANK

SUBJECT: Network Security

CLASS: BCA 5th Semester

- Q1. Define Network Security. Explain OSI Security Architecture.
- Q2. Explain Classical Encryption Techniques.
- Q3. Briefly explain design principles of Block Cipher.
- Q4. Explain DES in detail.
- Q5. What is Cryptography? Explain different types of crypto systems in detail.
- Q6. Describe Symmetric and Asymmetric Cryptography.
- Q7. Describe Public Key Management and PKI.
- Q8. Explain Diffie Hellman key exchange and ECC.
- Q9. What is RSA? Explain with example.
- Q10. What is message authentications and services. Explain MAC in detail.
- Q11. Explain Security hash function, MD5 & HMAC in detail.
- Q12. What is Digital Signature? How Digital Signature created & they work?
- Q13. What is Authentication? Explain in detail Kerberos and its working.
- Q14. Explain in detail X.509 Authentication service.
- Q15. What is PGP & MME? Explain.
- Q16. Explain IPSec and how it works?
- Q17. What is web Security. Explain requirements of web security.
- Q18. Define Intrusion Detections. Briefly explain about password management.
- Q19. Define Virus. Explain in detail.
- Q20. Explain the technical details of Firewall and describe any three types of Firewall with neat diagram.