Unit II

Fundamentals of Algorithms in Cybersecurity

Assignment Questions

Q1. Explain Data Encryption Standard (DES) and Rivest-Shamir-Adleman (RSA) Algorithms.

Q2. Explain Diffie-Hellman Key Exchange Algorithm With an Example

Q3. Explain Digital Signature Algorithm (DSA) With an Example.

Q4. Explain the Following Types of One-time Password (OTP) Algorithms with Examples:

    a. Time-based OTP (TOTP)

    b. HMAC-based OTP (HOTP)