Important questions

- Advanced Encryption Standard (AES)
- Explain the design of SHA-256 and its compression function using a diagram
- Explain elliptic curve digital signature algorithm
- Illustrate and explain how blockchain works using a neat diagram. Explain the benefits, features and limitations of blockchain.
- Discuss the role of secure hash functions in blockchain.
- List out the properties of digital signatures.
- Illustrate the blockchain based decentralized system.
- Explain how Proof of Stake can achieve consensus among peers.
- Explain consensus mechanisms used in blockchain. List out any six
- consensus algorithms used in the context of blockchain.
- Define blockchain. Explain how decentralization of computing or processing power is achieved by a blockchain.
- Explain and illustrate how Paxos protocol can be used to achieve consensus.
- Perform encryption and decryption algorithm for the following
  P= 3, q= 11, e=7, M=5