

## **UNIT 2: STREAM CIPHERS AND BLOCK CIPHERS**

1. Explain single round of DES algorithm. Support your answer with neat sketches.
2. Elaborate AES encryption with neat sketches.

**OR**

Explain four different stages of AES (Advance Encryption standard) structure.

3. Explain triple DES with two keys.
4. Explain avalanche effect in DES and discuss strength of DES in brief.
5. Explain how DES (Data Encryption standard) algorithm observes Feistel structure. Explain key generation and use of S-box in DES algorithm in detail.

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