



## SECTION-B

2. Explain the Euclidean and Extended Euclidean algorithm.
3. Differentiate Active and Passive attack.
4. What is the purpose of S-boxes in DES?
5. Identify the possible threats for RSA algorithm and list their counter measures.
6. What are the types of attack on encrypted message. Explain.

## SECTION-C

7. Explain the following :
  - a) MD5 message Digest Algorithm.
  - b) Digital Signature.
8. Explain the design and types of firewalls.
9. Perform encryption and decryption using RSA algorithm for the following :  
 $P=7$ ;  $q=11$ ;  $e=17$ ;  $M=8$ .

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