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**MVJ College of Engineering, Bangalore**

**An Autonomous Institute**

**Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi**

**Recognized by UGC with 2(f) and 12(B) status, Accredited by NACC and NBA**

**CRYPTOGRAPHY AND NETWORK SECURITY**

**MVJ23CS63**

**Assignment-1**

**GROUP-1(cs063-cs-077)**

1. Explain the DES Algorithm.

3. Explain the Blowfish Algorithm.

4. Explain the modes of operation on Block cipher

5. Briefly discuss about the various security attacks

**GROUP-2(cs078-cs-093)**

1. Using Miller –Rabin Algorithm, check whether 743 is prime.

2. Explain the AES Algorithm.

3. Explain the Blowfish Algorithm.

4. Explain the modes of operation on Block cipher

5.Using hill cipher Encrypt and then decrypt the obtained cipher text. Plaintext: “Assignment” and key is

**GROUP-3(cs094-cs-108)**

1. Write a note on Steganography.

2. Explain the AES Algorithm.

3. Explain the Blowfish Algorithm.

4. Explain the modes of operation on Block cipher

5.Using hill cipher Encrypt and then decrypt the obtained cipher text. Plaintext: “Assignment” and key is

**GROUP-4(cs109-cs-420)**

1. Explain the AES Algorithm.

2. Explain the Blowfish Algorithm.

3. Explain the modes of operation on Block cipher

4.Explain the DES Algorithm.  
5.Write a note on Steganography.