

# MARWARI COLLEGE RANCHI

**Subject:** Network Security & Cryptography

**Full Marks** : 30

**Paper** : XXII

**Time** : 1Hr.

## MCA SEMESTER 4

### Mid semester examination 2018

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1. Fill up the blanks 2 x 5 = 10
  - a. In .....encryption, both sender and receiver use different key.
  - b. DES uses a ..... bit plaintext.
  - c. The full form of AES is .....
  - d. Caesar cipher is a ..... Encryption technique.
  - e. Masquerading is a ..... Attack.
2. Answer any **TWO** questions of the following. 5 x 2 = 10
  - a. What is the difference between symmetric cryptosystem and asymmetric cryptosystem? Explain giving diagram.
  - b. Explain Play fair cipher with a neat diagram.
  - c. Write short notes on Steganography.
  - d. What is the difference between a monoalphabetic cipher and a polyalphabetic cipher? Explain in detail.
3. Answer any **ONE** question 10 x 1 = 10
  - a. Explain Feistel Cipher Structure in detail giving a neat diagram.
  - b. Explain any two Transposition techniques for symmetric encryption.
  - c. Explain AES in detail giving a neat diagram.