

MARWARI COLLEGE RANCHI

Subject : Network Security & Cryptography

Full Marks : 30

Paper : XXII

Time : 1Hr.

MCA SEMESTER 4

Mid semester examination 2017

1. Fill up the blanks 2 x 5 = 10
 - a. If both sender and receiver use the same key, the system is referred to as encryption.
 - b. A.....cipher processes the input elements continuously.
 - c. All encryption algorithms are based on two general principle and
 - d. In the attacker tries every possible key on ciphertext in order to get the plaintext.
2. Answer any **TWO** questions 5 x 2 = 10
 - a. Discuss the different substitution techniques used for symmetric encryption.
 - b. Explain Symmetric Cipher model in detail.
 - c. Explain Playfair cipher. Obtain the ciphertext for plaintext "COLOUR" and key "POINT".
 - d. Write short notes on Hill Cipher.
3. Answer any **ONE** question 10 x 1 = 10
 - a. What is Steganography? Explain.
 - b. What is DES? Explain with a neat diagram.