LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – **COMPUTER APPLICATIONS**

FIFTHSEMESTER – APRIL 2018

CA 5810- NETWORK SECURITY

Date: 20-04-2018   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

PART-A   **10 x 2=20**

Answer ALL the questions.

1) What is network security?

2) Mention the three aspects of network security.

3) What is vulnerability?

4) Differentiate spammer and phisher.

5) List the classic encryption techniques.

6) What is a brute force attack?

7) Name the modes of operation of block cipher.

8) What is DES?

9) Bring out the applications of IPSec.

10) What is VPN?

PART - B   **5 x 8=40**

Answer ALL the questions.

11) a) Illustrate the model for network security.

(or)

   b) Describe specific security mechanisms.

12) a) Give explanation on threats.

(or)

   b) Explain reconnaissance attacks.

13) a) Describe steganography.

(or)

   b) Elucidate IPSec.

14) a) Explain distribution of public keys.

(or)

   b) Describe AES.

15) a) Elucidate types of firewall.

(or)

   b) Explain key management in IPSec.

Answer ANY TWO questions.

16) a) Give explanation on the security attacks.(10)

  b) Explain vulnerabilities. (10)

17) Explain the following:

  a) Symmetric encryption. (10)

  b) Feistel cipher. (10)

18) Describe the following:

  a) Public key infrastructure. (10)

  b) IPSec protocols. (10)

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