DD687

M.C.A. EXAMINATION, Dec. 2018

(Fourth Semester)

(B Scheme) (Re-appear Only)

MCA556

NETWORK SECURITY & MANAGEMENT

Time : 3 *Hours*]   [*Maximum Marks :* 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(1-04) M-DD687   **P.T.O.**

Unit I

1. Write short notes on the following with example :

   (i) Polyalphabetic cipher

   (ii) Vigenere Cipher

   (iii) Hill Cipher

2. Discuss complexity theory of crypto systems.

Unit II

3. Explain Diffie Hellman Key Exchange Algorithm with example.

4. Describe Digital Signature with suitable example of a standard.

Unit III

5. Explain Analog and Digital Systems of Speech Encryption.

6. Explain cryptology of speech signals considering wide band system.

Unit IV

7. Describe Hash Functions and their usage in security.

8. Write short notes on the following :

   (i) MIME

   (ii) Firewall

   (iii) IP Security.