DD687

M. C. A. EXAMINATION, May 2019

(Fourth Semester)

(B Scheme) (Main & Re-appear)

MCA556

NETWORK SECURITY AND MANAGEMENT

Time : 3 *Hours*]   [*Maximum Marks :* 100

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.

Unit I

1. Write short notes on the following with examples :

   (i)   Stream Cipher

   (ii) Block Cipher

   (iii) Confusion method in Cryptography

2. Explain Statistical theory of cipher system.

Unit II

3. Explain Digital Signatures with DSA.

4. Describe the following ciphers :

   (i) Rotor Based Systems

   (ii) Shift Register Based Systems

Unit III

5. Explain Cryptology of speech signals.

6. Explain Digital System of Speech Encryption.

Unit IV

7. Explain Transport Layer Security

8. Explain secure Electronic Transactions.