H-305

B. Tech. EXAMINATION, May 2018

(Eighth Semester)

(B. Scheme) (Main & Re-appear)

(IT, CSE)

IT452B

NETWORK SECURITY

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.

Unit I

1. Write short notes on the following with example :

   (a) Modified version of Caesar Cipher

   (b) Playfair Cipher

   (c) Transposition Techniques.

2. Explain Statistical theory of cipher system.

Unit II

3. Explain different algorithm modes which can be applied on block cipher.

4. Describe DES and its variants.

Unit III

5. How virus works ? Discuss history of virus along with types of virus.

6. Explain Intrusion Detection System and its types.

Unit IV

7. Describe different data compression techniques.

8. Explain PGP in detail.