

No. of Printed Pages : 03

Roll No.

G-16

B. Tech. EXAMINATION, Dec. 2018

(Seventh Semester)

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

(Common for all Branches)

CSE457B

NETWORK SECURITY AND
CRYPTOGRAPHY

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.

(3-19/19)M-G-16

P.T.O.

Unit I

1. Write short notes on the following with example :
 - (a) Modified version of Caesar Cipher
 - (b) Transposition Techniques
 - (c) Polyalphabetic Substitution.
2. Differentiate Symmetric and Asymmetric Key Cryptography. How the best of both can be combined in a single scheme ?

Unit II

3. Explain Digital Signatures with DSA.
4. Describe Elliptical Curve Cryptography.

Unit III

5. Explain Secure Socket Layer.
6. Explain Secure Electronic Transaction. How is it different from SSL ?

Unit IV

7. Explain authentication tokens and biometric based authentication.
8. Write short notes on the following :
 - (a) Security handshake pitfalls
 - (b) SSO
 - (c) Key distribution center.