

No. of Printed Pages : 03

Roll No.

G16

B. Tech. EXAMINATION, May 2019

(Seventh Semester)

(B. Scheme) (Re-appear Only)

(CSE)

CSE457B

NETWORK SECURITY & 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.

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P.T.O.

Unit I

1. Explain the concept of cryptography with its merits and demerits. Explain various types of Encryption methods. **15**
2. Differentiate between :
 - (a) Symmetric and asymmetric cryptography
 - (b) Substitution and transposition ciphers
 - (c) Encryption and decryption. **15**

Unit II

3. Explain the following : **15**
 - (a) Key management
 - (b) Digital signatures.
4. Write down the concept of DES algorithm. **15**

Unit III

5. What is Transport Layer Security (TLS) ? How is it implemented ? **15**
6. Explain the following :
 - (a) TSP
 - (b) SET. **15**

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Unit IV

7. What is Password ? How you make your password secured ? Explain various password authentication schemes. **15**
8. Explain the following :
 - (a) IPsec
 - (b) Kerberos. **15**

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