

No. of Printed Pages : 03

Roll No.

BB583

M. Tech. EXAMINATION, May 2019

(Second Semester)

(B. Scheme) (Re-appear)

(CSE)

CSE506B

INFORMATION SECURITY
AND DATA HIDING

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.

(2-22/18) M-BB583

P.T.O.

Unit I

1. What is Digital Signature ? Explain the process of the digital Signature. List the security services provided by a digital signature and also discuss the possible attack on the digital signature. **15**
2. What is Data Encryption Standard (DES) ? Explain it. Also discuss the RSA and various security issues related to RSA. **15**

Unit II

3. Explain the image format of the multimedia files in detail. **15**
4. Discuss the features of videos and audios formats of the multimedia files. **15**

Unit III

5. What is Stenography ? Discuss the comparison between different steganographic techniques. Also list the applications of the steganography. **15**

6. Briefly explain the different types of latest algorithms for the data hiding. **15**

Unit IV

7. Explain the different types of watermarking techniques along with their merits and demerits. **15**
8. Write short notes on the following :
 - (a) Application of Watermarking **7**
 - (b) Copy right projection mechanisms. **8**