

Roll No. ....

**23565**

**M. Tech 2nd Semester (Cyber Forensics  
and Information Security)  
Examination – May, 2018**

**MULTIMEDIA SECURITY**

**Paper : MTCF-207**

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

***Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.***

**Note :** Attempt *five* questions in all, selecting *one* from each Unit. Question No. 1 is *compulsory*.

- 1. Explain the following :** **20**
- (i) Error correcting Code
  - (ii) Image Watermarking
  - (iii) Watermarking protocol
  - (iv) Forgery

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## UNIT – IV

8. Describe the following : 20
- (i) Forgeries Detection
  - (ii) Multimedia encryption
9. Explain the following : 20
- (i) Multimedia Processing in the encryption Domain
  - (ii) Cryptography
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## UNIT – I

2. (i) How to design a Good digital water mark. 10  
Explain.
- (ii) Describe the different Models of Water marking. 10
3. Explain the following : 20
- (i) Affine-Resistant Watermarking
  - (ii) BLock DCT-Doman Watermarking

## UNIT – II

4. Describe the following : 20
- (i) Watermarking for CG-Models
  - (ii) Video water marking.
5. Describe in detail about Data Hiding through watermarking Techniques. 20

## UNIT – III

6. Give a complete description about digital water marking protocols. 20
7. Explain the following : 20
- (i) Protocols for Secure Computation
  - (ii) Extensions of water marking protocols