

Roll No.

23565

**M.Tech. 2nd Semester (Cyber
Forensics and Information
Security) Examination–May, 2014**

, MULTIMEDIA SECURITY

Paper MTCF-207

Time : 3 hours

Max. 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 the examination.

Note : Attempt any **five** questions in total selecting **one** question from each Section and Question No. 1 is **compulsory**. All questions carry equal marks.

1. Explain the following :

(a) Error correcting codes. 5

(b) Audio watermarking. 5

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(c) Extension of watermarking protocol. 5

(d) Digital signature. 5

SECTION - A

2. What are digital watermarks ? How to design a good watermark. 20

3. What is speed spectrum watermark technique ? Explain. 20

SECTION - B

4. (a) Differentiate between image watermarking and video watermarking techniques. 10

(b) Explain watermarking for binary images. 10

5. What is data hiding ? Explain data hiding through watermarking. 20

SECTION - C

6. List various digital watermarking protocols.
Explain buyer-seller protocol. 20

7. Explain protocol for secure computation. 20

SECTION - D

8. What is Cryptography ? Explain its various types. 20

9. What is digital forensics ? Explain its scope. 20