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**M. Tech. 2nd Semester (Cyber Forensics and
Information Security) Examination, May-2015**

MULTIMEDIA SECURITY

Paper-MTCF-207

Time allowed : 3 hours]

[Maximum marks : 100

*Note : Attempt only five questions taking one question from
each Section. Question No. 1 is compulsory.
All questions carry equal marks.*

1. Explain the following : 4×5
- (a) Dirty paper codes
 - (b) Video watermarking
 - (c) Extension of watermarking protocol
 - (d) Digital signature.

Section-A

2. What are digital watermarks ? Explain various models
of digital watermark. 20
3. What do you mean by Affine-Resistant watermarking ?
Explain. 20

Section-B

4. (a) Explain watermarking for CG models. 2×10
- (b) Explain watermarking for binary images.

5. (a) What are various issues for media specific watermarking ?
- (b) Differentiate between image watermarking and audio watermarking techniques.

Section–C

6. List various digital watermarking protocols. Explain efficient and anonymous 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 forgery ? Explain various techniques for its detection. 20