

**P.G. DIPLOMA IN INFORMATION SECURITY
(PGDIS)**

**Term-End Examination 01355
December, 2011**

MSEI-022 : NETWORK SECURITY

Time : 2 hours

Maximum Marks : 50

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- Note :** *Section (A) - Answer all the objective type questions.
Section (B) - Answer all the very short answer type questions.
Section (C) - Answer any two questions out of three.
Section (D) - Answer any two questions out of three.*
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SECTION - A

(Attempt all the questions)

1. Write True or False **1x5=5**
- (a) Firewalls can greatly decrease the security of a host or a network.
 - (b) Fullform of PGP is Pretty Good Privacy.
 - (c) Encryption cannot ensure secrecy of data.
 - (d) Finger prints can be used for identification.
 - (e) The main objectives of SSL is authenticating the client and server to each other.

2. Fill in the blanks :

1x5=5

- (a) In computer networking, a _____ is a device with set of rules to permit or deny network access by unauthorized services.
- (b) A _____ is an incident in which a user or organization is deprived of the services of a resource they would normally expect to have.
- (c) _____ is mostly used to protect the privacy of information.
- (d) _____ is the process that embeds data called a watermark or digital signature or tag or label into a multimedia object.
- (e) A _____ is a physical trait that consists of facial structure, eye color, voice, iris, pattern and fingerprint.

SECTION - B

(Attempt all the questions)

3. Write short notes on the following :

5x2=10

- (a) Types of Digital watermarking
- (b) Biometrics
- (c) Transport Layer Security (TLS)
- (d) Post Office Protocol 3s (POP3s)
- (e) Asymmetric Cryptography

SECTION - C

(Attempt 2 out of 3 short type questions)

4. Describe the types of Identity Management in Digital Watermarking. 5
5. What is the security issues involved in Wireless ? 5
6. Explain the application of Cryptography. 5

SECTION - D

(Attempt 2 out of 3 long type questions)

7. Write in detail about the Next Generation Networks. 10
 8. Explain Security protocols in detail. 10
 9. What is cryptography ? Explain the different stages of cryptology in detail. 10
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