

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

**Term-End Examination**

**June, 2015**

**MSEI-022 : NETWORK SECURITY**

*Time : 2 hours*

*Maximum Marks : 50*

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- Note :** (i) *Section - A Answer all the objective type questions.*  
(ii) *Section - B Answer all the very short answer type questions.*  
(iii) *Section - C Answer any two question out of three.*  
(iv) *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) Full form of PGP is Pretty Good Privacy.
  - (c) Time stamp represents the time at which an event is recorded by a computer, not the time of the event itself.
  - (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) An \_\_\_\_\_ can be stated as “a set of rules that precisely defines a sequence of operations”.
  - (b) \_\_\_\_\_ is the inventor of information theory and the fundamentals of theoretical cryptography.
  - (c) In China, a \_\_\_\_\_ is still required to use cryptography.
  - (d) \_\_\_\_\_ is the process that embeds data called a watermark or digital signature or tag or label into a multimedia object.
  - (e) \_\_\_\_\_ can be defined as the practice and study of hiding information.

### SECTION - B

(Attempt all the questions)

3. Write short notes on the following : 5x2=10
- (a) Types of digital watermarking
  - (b) Undeniable signatures
  - (c) Transport Layer Security (TLS)
  - (d) Computer related forgery
  - (e) Symmetric Cryptography

### SECTION - C

(Attempt 2 out of 3 short type questions)

4. Write in detail about “Keys” Establishment and its types. 5
5. What are the three elements required to succeed in a UDRP proceeding by the complainant. 5
6. Explain the main properties of Digital Signatures. 5

## SECTION - D

(Attempt 2 out of 3 long type questions)

7. "The best policy strikes a balance between current practice and preferred future". Do you agree with the statement ? If yes, explain in detail. 10
  8. Explain the basic scanning techniques in detail. 10
  9. What are the most challenging aspects of ISO/IEC 27002 implementation and ISO/IEC 27001 compliance ? 10
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