

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

**Term-End Examination
December, 2012**

01392

MSEI-022 : NETWORK SECURITY

Time : 2 hours

Maximum Marks : 50

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.

SECTION - A

(Attempt all the questions)

1. Write True or False. 1x5=5
- (a) All Linux distributions provide an implementation of SSL called open SSL.
 - (b) Hypertext Transfer Protocol (http) is a means for transmitting and receiving information across the Internet.
 - (c) Automated Teller Machines (ATMs) typically use DEA.
 - (d) Symmetric key is used to decrypt the data before transmission on one side and to encrypt on receipt on the other side.

- (e) Secret - key, Single-key, Shared-key, One-key encryption are asymmetric - key encryption.

2. Fill in the blanks :

1x5=5

- (a) _____ is the science and art of secret writing. A _____ is a type of attack where the attacker pretends to be an authorized user of a system in order to gain access to it or to gain greater privileges than they are authorized for.
- (b) A _____ is a form of network attack in which a valid data transmission is maliciously or fraudulently repeated or delayed.
- (c) Full form of CHAP is _____.
- (d) _____ is mostly used to protect the privacy of information.
- (e) Full form of LDAP is _____.

SECTION - B

(Attempt all the questions)

3. Write short notes on the following : **5x2=10**
- (a) RAID
 - (b) RADIUS
 - (c) Steganography
 - (d) Active Directory Structure
 - (e) Decryption

SECTION - C

(Answer 2 out of 3 short type questions)

4. Explain the common components of secure shell. 5
5. Explain the types of digital watermarks. 5
6. Write about the functions of firewall. 5

SECTION - D

(Answer any 2 out of 3 long type questions)

7. Explain the application of Biometrics technology in detail. 10
 8. Explain the limitations involved in the encryption. 10
 9. Explain the process of creating and verifying a digital signature. 10
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