

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

Term-End Examination

June, 2012

00834

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) The Secure Socket Layer (SSL) protocol is used extensively on the web to protect credit card numbers and other sensitive data transmitted between a user's web browser and an Internet web server.
- (b) Authentication is the process of verifying the identity of a subject.
- (c) A firewall is a barrier to keep destructive forces away from your property.

- (d) A system where one secret key is shared is called asymmetric cryptography.
- (e) Security implies security provided for the transfer of data between the two communicating end points.

2. Fill in the blanks :

1x5=5

- (a) _____ is a secret - key network authentication service developed at MIT by Project Athena.
- (b) A _____ is a computer program that can intercept and log traffic passing over a digital network or part of a network.
- (c) An _____ is designed to identify potential attacks and autonomously execute counter measures to inhibit them, without affecting normal system operation.
- (d) A _____ is a trapset to detect, deflect or in some manner counteract attempts at unauthorized use of information systems.
- (e) _____ is preliminary act of organizations, enterprises and institutions to protect their valuable information across the network.

SECTION - B

(Attempt all the questions)

3. Write short notes on the following - 5x2=10
- (a) ADC
 - (b) Finger Printing
 - (c) Secure Sockets Layer (SSL)
 - (d) ESP
 - (e) Encryption

SECTION - C

(Attempt 2 out of 3 short type questions)

4. Explain common forms of 'Denial of Service Attacks'. 5
5. Explain the application of digital watermarks. 5
6. What is network security ? Explain with the help of example. 5

SECTION - D

(Attempt 2 out of 3 long type questions)

7. Explain the different types of security threats ? 10
 8. Explain the different kinds of security mechanisms ? 10
 9. What is digital Forensics ? Explain its types ? 10
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