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MSEI-022

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

Term-End Examination

June, 2019

MSEI-022 : NETWORK SECURITY

Time : 2 Hours

Maximum Marks : 50

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 questions out of three.

(iv) Section D : Answer any two questions out of three long answer type questions.

Section—A

Note : Answer all the questions.

1. Write True or False : 1×5

(a) Full form of PGP is Pretty Good Privacy.

(b) Digital Signature require the sender to use the private key.

- (c) Fingerprints can be used for identification.
- (d) Encryption can ensure secrecy of data.
- (e) Hypertext transfer protocol (http) is a means for transmitting and receiving information across the Internet.

2. Fill in the blanks : 1×5=5

- (a) A is a trapset to detect, deflect or in some manner counteract attempts at unauthorized use of information systems.
- (b) In computer networking, a is a device with set of rules to permit or deny network access by unauthorized services.
- (c) is mostly used to protect the privacy of information.
- (d) Full form of CHAP is
- (e) A is a s/w or h/w based network security system that controls the incoming and outgoing network traffic based on applied rule-set.

Section—B

Note : Attempt all the questions.

3. Write short notes on the following : 5×2=10

- (a) Decryption

- (b) Steganography
- (c) Asymmetric cryptography
- (d) Public key infrastructure
- (e) IRIS recognition

Section—C

Note : Attempt two out of three short answer type questions.

- 4. Explain the process of creating and verifying a digital signature. 5
- 5. What are the security issues involved in wireless ? 5
- 6. Write about types of digital watermarks. 5

Section—D

Note : Attempt two out of three long answer type questions.

- 7. Explain the application of Biometric technology in detail. 10
- 8. What are Honeypots ? Briefly explain the various types of honeypots. What are its advantages and disadvantages ? 10
- 9. Explain security protocols in detail. 10