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MSEI-023

**P. G. DIPLOMA IN INFORMATION
SECURITY (P. G. D. I. S.)
Term-End Examination
December, 2021
MSEI-023 : CYBER 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 2 questions out of 3 Short answer type questions.

Section D : Answer 2 questions out of 3 Long answer type questions.

Section—A

Note : Attempt all objective type questions.

1. The last address of IP address represents address. 1

2. ICMP stands for 1
3. Network layer firewall works as a 1
4. SMTP stands for 1
5. is the art of manipulating people so they give up confidential information. 1
6. The full form of XSS attack is 1
7. IPv6 address has a size of bits. 1
8. The practice of creating sub-networks is called 1
9. allows the database management system to uniquely identify an entity. 1
10. Rows in a RDBMS table denote 1

Section—B

Note : Attempt all the very short answer type questions.

11. Write short notes on the following : 2 each
- (a) Phishing Attack

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- (b) Social-networking sites
- (c) Impersonation
- (d) Cracking
- (e) E-mail spoofing

Section—C

Note : Attempt 2 out of 3 short answer type questions.

- 12. Describe the types of reverse engineering. 5
- 13. Discuss SQL injection attack with the help of a suitable example. 5
- 14. What are the privacy and security features, being provided by web browsers ? 5

Section—D

Note : Attempt 2 out of 3 long answer type questions.

- 15. Explain the extended and base services of server programs. 10

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- 16. What is database concurrency ? What are the methods of database concurrency control ? Also, discuss the goals of concurrency control mechanism. 10
- 17. List the various categories of cyber attacks. Explain any *two* of them. Also discuss the ways to counter such attacks. 10

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