　　　　　　　　MSEI-023

P.G. DIPLOMA IN INFORMATION SECURITY (PGDIS)

Term-End Examination

June, 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 any **two** out of three short answer type questions.*

*Section D – Answer any **two** out of three long answer type questions.*

SECTION A

*Attempt **all** the objective type questions.*

1. A _____ is an application or device that can read, monitor and capture network packets. *1*

2. _____ is the art of manipulating people so they give up confidential information. *1*

3. A _____ is a logically visible subdivision of an IP network. *1*

4. _____ allows the Database Management System to uniquely identify. *1*

5. Sniffing is a technique that could be used to capture network user _____ . *1*

6. _____ come with various sophisticated tools and techniques to invade a computer and steal personal details of users from their E-mail accounts. *1*

7. To combine two or more conditions, there is _____ logical operators, where both the conditions are true. *1*

8. A relational database system needs to maintain data about the relations, such as the schema of the relations. This is called _____ . *1*

9. Firewalls are of two types :
Network layer and _____ layer. *1*

10. Columns in RDBMS tables denote _____ . *1*

SECTION B

*Attempt **all** the very short answer type questions.*

11. Explain briefly E-mail spoofing. *2*

12. Explain the difference between Clustering and Mirroring. *2*

13. Explain waste management threats. *2*

14. Give the significance of Distributed Processing. *2*

15. What is data fragmentation ? *2*

SECTION C

Attempt any **two** *out of three short answer type questions.*

16. Describe social engineering attack cycle. *5*

17. What is the role of Operating System in network security ? *5*

18. Explain Entity-Relationship (ER) model with example. *5*

SECTION D

*Attempt any **two** out of three long answer type questions.*

19. Explain in detail about Extended and Base services of server programs. *10*

20. Explain in detail the Internet Security Issues. *10*

21. Explain the ACID properties of a database transaction. Which of these is attacked while attempting to breach database security ? Justify your answer. *10*

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