MASTER OF SCIENCE (INFORMATION SECURITY)/ P. G. DIPLOMA IN INFORMATION SECURITY (MSCIS/PGDIS)
Term-End Examination
June, 2024

MSEI-023 : CYBER SECURITY

Time : 2 Hours　　　　*Maximum Marks : 50*

Note : (i) **Section A :** *Answer all the questions.*

(ii) **Section B :** *Answer any* **two** *out of three questions.*

(iii) **Section C :** *Answer any* **two** *out of three long answer type questions.*

Section—A

1. Write notes on any *four* of the following :

4×5=20

(a) Trojan Horses

(b) Hybrid Crack

(c) Role of scripting language in the cyber world

(d) Entity-Relationship (ER) model

(e) Social bookmarking

Section—B

Note : Attempt any **two** out of *three* questions.

2. Describe the process of using e-mail location tracking tool.   5

3. Explain SQL injection attack with the help of a suitable example.   5

4. Discuss social engineering attack cycle.   5

Section—C

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

5. What is Concurrency Control in a DBMS ? What are the methods of concurrency control in a DBMS ? Also discuss the goals of concurrency control mechanism.   10

6. List at least *five* types of cyber attacks. Explain *two* of them in detail including the preventive measures that should be adopted to thwart such attacks.   10

7. Explain the three tier client server architecture with the help of a diagram. Discuss the advantages of three-tier client server architecture over two-tier client server architecture.   10

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