

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

00012

Term-End Examination

June, 2014

MSEI-023 : CYBER SECURITY

Time : 2 hours

Maximum Marks : 50

Note : Section A - Attempt all objective questions.

Section B - Attempt all very short answer type questions.

Section C - Attempt 2 out of 3 short answer type questions.

Section D - Attempt 2 out of 3 long answer questions.

SECTION - A

(Attempt all objective questions)

1x10=10

1. A hacker contacts you by phone or email and attempts to acquire your password. This is known as _____ .
2. The function _____ (C1, C2) truncates C2 from the right - side of C1.
3. The _____ is a character like element for embedding script - code that can be placed any where in the document HEAD or BODY.
4. _____ is a protocol for email transmission across IP networks.

5. _____ is the translation of an IP address of one network to a different IP address known in other network.
6. Blogs, podcasts, social media, etc. are also known as _____ applications.
7. In _____ , certain attributes of the relation can be stored at one location whereas other attributes can be stored at other locations.
8. _____ is a process where a researcher gathers the technical data necessary for the documentation of the operation of a technology or component of a system.
9. Detecting an attack by observing logs after the attack has taken place is known as _____ detection.
10. An E-mail message consists of two components, the message head and _____ , which is the E-mail's content.

SECTION - B

Five very short answer type questions.

(Attempt all the questions)

2x5=10

11. Discuss the need of Reverse engineering.
12. What is column alias in RDBMS ?

13. List four web 2.0 applications.
14. What is social bookmarking ?
15. Describe application level gateways.

SECTION - C

(Attempt 2 out of 3 short answer type questions)

16. Explain the process of using E-mail location tracking tool. 5x2=10
17. Explain Union and Difference operations in Relational Algebra with the help of a suitable example.
18. Explain SQL injection attack with the help of a suitable example.

SECTION - D

(Attempt 2 out of 3 long answer questions) 10x2=20

19. Explain various tools and techniques for searching the web including basic and advanced search operators.
20. What is distributed database design ? What are the various methodologies for allocating Data in DDBMS ? Explain with suitable diagram(s) / example(s).
21. 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.