

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

01104 **Term-End Examination**

**December, 2014**

**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.*

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**SECTION A**

*Answer all the questions.*

*10×1=10*

1. \_\_\_\_\_ is a supplementary protocol that allows non-ASCII data to be sent through e-mail by transforming them to ASCII data. 1
2. A \_\_\_\_\_ is a collection of machines that share a common suffix. 1

3. \_\_\_\_\_ is made up of thousands and thousands of interconnected networks. 1
4. An \_\_\_\_\_ is a company that provides individuals and other companies access to the Internet and other related services. 1
5. The practice of creating subnetworks is called \_\_\_\_\_ . 1
6. The method of transport of data across the Internet is \_\_\_\_\_ . 1
7. \_\_\_\_\_ is a term used to describe the penetration of a network, system or resource with or without the use of tools to unlock a resource that has been secured with a password. 1
8. The fundamental means of moving data around the Internet is controlled by a protocol called \_\_\_\_\_ . 1
9. SMTP stands for \_\_\_\_\_ . 1
10. The \_\_\_\_\_ is the overall body governing the Internet. 1

## SECTION B

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

11. Write short notes on the following : 5×2=10
- (a) Social Engineering
  - (b) Hybrid Crack
  - (c) Impersonation
  - (d) Distributed Database
  - (e) Relational Database Management System

## SECTION C

*Attempt any **two** out of three short answer type questions.* 2×5=10

12. Explain the methodologies for allocating data. 5
13. Explain the types of reverse engineering. 5
14. Write in detail about computer based social engineering. 5

## SECTION D

*Attempt any **two** out of three long answer type questions. 2×10=20*

- 15.** The Internet is a packet-switching network with a distributed mesh topology. Do you agree ? Explain in detail. 10
- 16.** Any social engineer may simply walk in and behave like an employee in an organization. Explain how you can protect an enterprise against social engineering. 10
- 17.** Information security requires you to assess the level of risk that an attack presents to your company. Explain the procedure of risk assessment to be taken by you as a security officer of the company. 10
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