

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

**Term-End Examination**

**00704**      **December, 2014**

**MSEI-021 : INTRODUCTION TO INFORMATION  
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**

*Attempt all the questions.*

*10×1=10*

1. Data transmission rates are stated in terms of the \_\_\_\_\_ that can be transmitted per second. 1

2. CMIP stands for \_\_\_\_\_ . 1

3. A \_\_\_\_\_ is a group of components that collectively form a barrier between two networks. *1*
4. The prevention against virus is to install \_\_\_\_\_ software. *1*
5. Software piracy is illegal. True or False ? *1*
6. Cryptography is the process of converting between readable text called \_\_\_\_\_ and an unreadable form called \_\_\_\_\_. *1*
7. VPNs stands for \_\_\_\_\_. *1*
8. A \_\_\_\_\_ refers to a skilled hacker who sometimes acts legally, sometimes in good will and sometimes not. *1*
9. \_\_\_\_\_ is the technology that aids in gathering information about a person or organisation without their knowledge. *1*
10. \_\_\_\_\_ refers to the practice of registering domain names with the desire of selling it at higher prices. *1*

## SECTION B

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

11. Differentiate between the following : 5×2=10
- (a) Primary storage and Secondary storage
  - (b) Compiler and Interpreter
  - (c) WAN and MAN
  - (d) Analog data transmission and Digital data transmission
  - (e) Internet and Extranet

## SECTION C

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

12. What are the reasons for hacking? 5
13. Computer virus involves various stages right from its design to elimination. Explain these stages. 5
14. What are the key steps that every company implementing an Information Security Management System should consider? 5

## SECTION D

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

15. Advertisers have to take extra care when advertising to children. What are the legal and ethical issues involved in advertising potentially harmful products and using psychological tactics to stimulate demand ? 10
16. Suggest some basic guidelines that must form the core of any information security awareness programme so that the users may become educated and informed to gauge the level of threat in order to be able to take further corrective measures. 10
17. Information Security is multi-divisional and multi-disciplinary in nature. Do you agree ? Explain in detail. 10
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