

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

**Term-End Examination
December, 2012**

01972

**MSEI-021 : INTRODUCTION TO INFORMATION
SECURITY**

Time : 2 hours

Maximum Marks : 50

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- Note :** Section 'A' - Answer *all* the objective type questions.
Section 'B' - Answer *all* the very short answer type questions.
Section 'C' - Answer *any two* questions out of *three* short answer type questions.
Section 'D' - Answer *any two* questions out of *three* long questions.
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SECTION - A

(Attempt all the questions)

10x1=10

1. URL stands for _____.
- (a) Universal Resource Locator
 - (b) Univerm Resource Location
 - (c) Uniform Resource Latitude
 - (d) None of these

2. A program or software develops to solve a problem on a computer is called _____. It refers to software which processes data to structure or automate specific business process or it consists of programmes which direct computers to perform specific information activities for end user.
3. OS/2 and PC-DOS, both are commonly used as _____.
4. .mil domain extensions are used for _____ websites.
5. Grey Hat Hackers are also known as cyber criminals.
(a) True (b) False
6. Path determination and logical addressing are done on _____ of OSI model.
7. CMIP stands for _____ and ICMP stands for _____.
8. Panda and Trend Micro are the two most common viruses which can harm your operating system.
(a) True (b) False

9. PC-DOS is developed by delegating Operating Services in 1981.

- (a) True (b) False

10. Three modes of data transmission are :

- (a) _____
(b) Half Duplex mode
(c) Full Duplex mode

SECTION - B

(Very Short answer type questions. Attempt all the questions)

5x2=10

11. Define Firewall and Proxy Server.
12. Write a short note on Encryption and Decryption of Data.
13. Explain P2P Network topology.
14. What do you understand by Vandals ?
15. Explain the concept of Key logging.

SECTION - C

(Attempt *any two* out of three short answer type questions)

2x5=10

16. Explain ISO-OSI model with diagram and explain each layer in brief.
17. Explain Operating System and What is the use of Operating System ?
18. Explain the precautions for Operating System Security.

SECTION - D

(Attempt *two* out of *three* long questions) 2x10=20

19. Explain the types of Operating System with examples.

 20. What are computer Programming Languages ? Name some examples of computer programming languages. What is the difference between Interpreter and Compiler ?

 21. Explain the given terms :
 - (a) Trojan Horse
 - (b) Worms
 - (c) Cyber Pornography
 - (d) Sniffing
 - (e) Firewall
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