

00982

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

Term-End Examination

December, 2015

**MSEI-025 : APPLICATION AND BUSINESS
SECURITY DEVELOPMENTS**

Time : 2 hours

Maximum Marks : 50

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- Note :** (i) *Section A - Objective type questions.*
(ii) *Section B - Very short answer type questions.*
(iii) *Section C - Short answer type questions.*
(iv) *Section D - Long answer type questions.*
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SECTION - A

(Attempt all the questions) **1x10=10**

1. Encryption is the process of encoded the data in another form.
(a) True (b) False
2. HTML, XML and Flash are the header of C programming language.
(a) True (b) False
3. Firewalls are designed to perform all the following except :
(a) Limiting security exposures
(b) Logging Internet activity
(c) Enforcing organization security policy
(d) Protecting against viruses

4. What does CSS stands for ?
(a) Cascadding Style Sheets
(b) Computer Style Sheets
(c) Creative Style Sheets
(d) Colourful Style Sheets
5. Which one of the following protocol is used to receive mail messages ?
(a) SMTP
(b) Post Office Protocol
(c) Internet message access protocol
(d) All of the above
6. One of the most widely used Public Key algorithm today is called :
(a) PKI (b) RSA
(c) SSL (d) Hash Code
7. In a _____ infrastructure, a system of server that freely distribute key to anyone would be established and maintained.
(a) Asymmetric key (b) Public key
(c) PGP key (d) Private key
8. John is a network administrator. He advise server administrator of company to implement blacklisting, closing open relays and strong authentication which threat he is addressing ?
(a) Viruses (b) Adware
(c) Spam (d) Spyware
9. Which of the following standard applies to e-mail as a message handling protocol ?
(a) X.800 (b) X.509
(c) X.500 (d) X.400

10. TLS stands for :
- (a) Transport Layer Superior
 - (b) Transport Layer Security
 - (c) Transport Layer Supervisor
 - (d) Transport Layer Secure

SECTION - B

(Attempt **all** the questions)

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|--|---|
| 11. Explain Structured Coding Technique used in application. | 2 |
| 12. What is difference between SMTP and POP ? | 2 |
| 13. What are two forms of error handling ? | 2 |
| 14. Define Transport Layer Security. | 2 |
| 15. What is impact of fraud on business organization ? | 2 |

SECTION - C

(Attempt **2** out of **3** questions)

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| 16. What do you understand by authorization and authentication ? Why they are necessary ? | 5 |
| 17. Define cryptography with suitable example. | 5 |
| 18. How network security is provided on network ? Explain. | 5 |

SECTION - D

(Attempt 2 out of 3 questions)

19. Explain characteristics of firewall. How it is helpful in providing security in network ? 10
20. Why we need to secure application server and database server ? What are the roles to protect from the outside attack ? 10
21. Write short notes on the following : 5x2=10
- (a) SQL Injection Attack
 - (b) Network Security
 - (c) Log File
 - (d) Hacking
 - (e) White Hacker
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