P.G. DIPLOMA IN INFORMATION SECURITY (PGDIS)

Term-End Examination

June, 2015   00376

MSEI-025 : APPLICATION AND BUSINESS SECURITY DEVELOPMENTS

Time : 2 hours   *Maximum Marks : 50*

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.*

SECTION - A

(Attempt **all** the questions)   **10x1=10**

1. In an HTML document where is the correct place to refer to an external style sheet ?

    (a) At the top of the document

    (b) In the <body> section

    (c) In the <Head> section

    (d) At the end of the document

2. What does XML stand for ?

    (a) X - Markup Language

    (b) Example Markup Language

    (c) Extra Modern Link

    (d) Extensible Markup Language

3. SMTP utilizes _____ as the transport layer protocol for electronic mail transfer.

   (a) TCP

   (b) UDP

   (c) DCCP

   (d) SCTP

4. The study of secret codes associated with classified information and intelligence gathering is called :

   (a) Cryptography

   (b) Secure socket layer

   (c) Scripting

   (d) Encryption

5. PKI is based on which of the following encryption scheme ?

   (a) Symmetric

   (b) Quantum

   (c) Asymmetric

   (d) Elliptical curve

6. Which of the following pays most of the cost for spam activity ?

   (a) Recipient

   (b) Carrier

   (c) Sender

   (d) Service provider

7. Asymmetric encryption : Why on a message encrypted with PKI only be decrypted with receiver's appropriate private key ?
   (a) Not true, message can also be decrypted with public key.
   (b) One way function with back door is applied for encryption.
   (c) PKI contains special function used to encrypt message and which can be reversed by appropriate private key.
   (d) None of the above

8. What worm emailed people with words 'I LOVE YOU' in year 2000 ?
   (a) Love Bug
   (b) Love letter
   (c) Valentine connection
   (d) Darling link

9. What is a person called when he hurts group of people with use of computer ?
   (a) White hat intruder
   (b) Cracker
   (c) Social Engineer
   (d) Cyber terrorist

10. Which computer virus records every movement you make on your computer ?
    (a) Malware
    (b) Keylogger
    (c) DOS
    (d) Trapper

SECTION - B

(Attempt all the questions)

11. What is authorization and access control ? 2

12. What is the difference between HTML and XML ? 2

13. Differentiate Hacker and Cracker. 2

14. What is root based access control mechanism in providing security ? 2

15. Explain data encryption technique. 2

SECTION - C

(Attempt 2 out of 3 questions)

16. Explain SMTP, DES and TLS. 5

17. What do you understand by business maintenance activities and providing security ? 5

18. What are interface design elements ? Explain with example. 5

SECTION - D

(Attempt 2 out of 3 questions)

19. What is SQL injection attack and how to prevent from it ? **10**

20. Explain white box testing and its advantages and disadvantages over the black box testing. **10**

21. Write short notes on the following : **5x2=10**
    (a) PKI
    (b) Ethical Hacking
    (c) Fraud Reduction
    (d) Mail Transport Agent
    (e) Data Encryption Standard

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