P.G. DIPLOMA IN INFORMATION SECURITY (PGDIS)

Term-End Examination

June, 2014

00832

MSEI-025 : APPLICATION AND BUSINESS SECURITY DEVELOPMENTS

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 questions.*

SECTION-A

(Answer **all** the objective type questions)

1.   An application design and programming   1
     language should support specification and
     realization of _____ data types.

2.   SMTP stands for :   1
     (a)   Simple mail transfer protocol
     (b)   Simple mail transit protocol
     (c)   Simple mail two protocol
     (d)   Simple mail translate protocol

3. To speed up connectivity and reduce performance loads at the server end, _____ validation of input and manipulation of data is often required.   1

4. TLS stands for _____.   1

5. _____ is the HTTP error code for page not found.   1

6. _____ is the process of safely keeping track of the creation and modification time of a document.   1

7. _____ is a process of changing information using an algorithm to convert it into a form that is not readable to anyone except those possessing special knowledge referred to as key.   1

8. _____ is the term used to describe the action taken by a program as it browses from page to page on a website.   1

9. Ethical hacking is also known as the intrusion testing, penetration testing or red teaming.
(a) True   (b) False   1

10. _____ is probably the most common web client side scripting language in use today.   1

SECTION - B
(5 very short answer type question)
(Attempt all the questions)

11. Define a Audit trail.   2

12. Which strategy should be used for complex real life application ?   **2**

13. What is 3PAKE Entity authentication protocol ?   **2**

14. Is it safe to send sensitive information over the internet ? Describe.   **2**

15. Define black box testing.   **2**

SECTION - C
(Attempt **2** out of **3** short answer type questions)

16. What are the different types of web application attacks ?   **5**

17. What is the importance of time stamp ? And how it works ?   **5**

18. How to securely send E-mails and transfer files ?   **5**

SECTION - D
(Attempt **2** out of **3** long questions)

19. What types of challenges are faced by web application scanners ?   **10**

20. Define the following :   **2x5=10**
    - (a) Digest access authentication
    - (b) Application security assessment

21. Write short note on the following :   **5x2=10**
    - (a) Brute Force
    - (b) Cookie
    - (c) Cross-site scripting
    - (d) Procedural languages
    - (e) ECC entity authentication protocol.