ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)
Term-End Examination
December, 2023

OSEI-042 : SECURING INTERNET ACCESS

Time : 2 Hours   *Maximum Marks : 50*

Note : (*i*) ***Section A :*** *Answer all the objective type questions.*

(*ii*) ***Section B :*** *Answer all the very short answer type questions.*

(*iii*) ***Section C :*** *Answer any **two** out of three short answer type questions.*

(*iv*) ***Section D :*** *Answer any **two** out of three long answer type questions.*

Section—A

Note : *Attempt all the objective type questions.*

1. .... protocol is used for remote terminal connection service.   1

2. A virtual private network creates a .... through the internet.   1

3. WPA stands for   1

4. The field of computer .... uses special software to scan hard drives of potential criminal suspects.   1

5. .... are most commonly used to identify return visitors to a website.   1

6. .... protocol is used to control the secure sending of data on the internet.   1

7. Each channel in Bluetooth layer is of .... MHz.   1

8. A text file used for checking user's internet related activities is called   1

9. TKIP stands for   1

10. Unsolicited e-mail advertising is known as   1

Section—B

Note : *Attempt all the very short answer type questions.*

11. Write short notes on the following :   5×2=10

    (a) TLS protocol

    (b) Uniform Resource Identifier

(c) Third Party Cookies

(d) DES

(e) Online banking frauds

Section—C

Note : *Attempt any **two** out of three short answer type questions.*

12. Describe digital water marking and its relevance in cyber security.   5

13. Suggest some steps to safeguard users from e-mail frauds.   5

14. Classify cyber crime depending on the victim. Briefly describe each of them.   5

Section—D

Note : Attempt any ***two*** out of three long answer type questions.

15. What is Phishing ? How does it work ? How a user can prevent him from being a victim of phishing attack ?   10

16. Explain the security design considerations in web services.   10

17. What is the problem of identity theft in online world ? What measures should be taken up to prevent identity theft ?   10

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