

**ADVANCED CERTIFICATE IN INFORMATION
SECURITY (ACISE)**

Term-End Examination

June, 2022

OSEI-042 : SECURING INTERNET ACCESS

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 **two** out of three short answer type questions.*

*Section D : Answer **two** out of three long answer type questions.*

SECTION A

*Answer **all** the objective type questions.*

10×1=10

1. Device that can convert digital signal to analog signal is called _____ .
2. Each channel in Bluetooth layer is of _____ MHz.
3. Digital Certificates issued by trusted third party are known as _____ .

4. The secret key between members needs to be created as a _____ key when two members contact KDC.
5. A hacker contacting you on phone or e-mail and attempting to acquire your password, is called _____ .
6. RC5 consists of three components — a key expansion algorithm, a/an _____ algorithm and a decryption algorithm.
7. S stands for _____ in HTTPs.
8. WPA stands for _____ .
9. Unsolicited e-mail advertising is known as _____ .
10. A virtual private network creates a _____ through the Internet.

SECTION B

Answer **all** the very short answer type questions. $5 \times 2 = 10$

11. Define Uniform Resource Identifier.
12. What do you mean by third party cookies ?
13. Write a note on prevention of identity theft.
14. What do you mean by Plug-ins ?
15. What is a computer security incident ?

SECTION C

Answer 2 out of 3 short answer type questions. 2×5=10

- 16.** Describe the major tasks employing digital forensics tools.
- 17.** Explain digital watermarking and its relevance in cyber security.
- 18.** Suggest some steps to safeguard users from e-mail frauds.

SECTION D

Answer 2 out of 3 long answer type questions. 2×10=20

- 19.** Write a descriptive note on Web Services Security Standards. Also discuss the threats and attacks with respect to session management.
 - 20.** What is Cyber Crime ? Explain the classification of cyber crime.
 - 21.** What is a Digital Certificate ? What information does a digital certificate store ? How does it help in safe online transactions ?
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