

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

Term-End Examination

June, 2018

OSEI-042 : SECURING INTERNET ACCESS

Time : 2 hours

Maximum Marks : 50

Note : Section - A : Answer all questions.

Section - B : Answer all very short answer type questions.

Section - C : Answer 2 out of 3 short answer type questions.

Section - D : Answer 2 out of 3 long answer type questions.

SECTION - A

(Attempt all the questions.)

10x1=10

1. Each channel in Bluetooth layer is of _____ MHz.
2. IEEE standard for Wi-Fi is _____.
3. The majority of computer crimes are committed by :
 - (a) Hackers
 - (b) Insiders
 - (c) Teenagers
 - (d) Overseas criminals

4. Collecting personal information and posing as another individual is known as the crime of _____.
5. TKIP stands for _____.
6. A digital certificate uses a(n) _____ system (Symmetric - key/ Asymmetric - key).
7. Digital signature cannot provide _____ for the message.
 - (a) Integrity
 - (b) Confidentiality
 - (c) Authentication
 - (d) Non-repudiation
8. A text file used for checking user's Internet related activities is called _____.
9. WPA stands for _____.
10. _____ is an attempt to acquire sensitive info such as username, password etc. by masquerading through email.

SECTION - B

(Attempt all the questions.)

2x5=10

11. Write short notes on :
 - (a) Secure Protocols
 - (b) Online banking frauds
 - (c) Cookies
 - (d) Prevention from Identity Theft
 - (e) Cyber Forensics

SECTION - C

(Attempt 2 out of 3 short answer type questions.)

12. Explain the steps for creating and deleting log files. 5
13. Classify Cyber Crime based on the victim profile. Briefly describe each of them. 5
14. Explain Digital watermarking and its relevance in Cyber Security. 5

SECTION - D

(Attempt 2 out of 3 long answer type questions.)

15. What is a digital certificate ? What informations does a digital certificate store ? How does it help in safe online transaction ? 10
 16. Explain the security design considerations in web services. Also, explain the use of TLS protocol. 10
 17. You have to deliver a lecture to end-users on how to identify fake emails and fake websites. Suggest a detailed list of guidelines to educate the users. 10
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