

ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)

Term-End Examination

June, 2017

OSEI-041 : INFORMATION SECURITY

Time : 2 hours

Maximum Marks : 50

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- 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 questions out of three short answer type questions.*
(iv) *Section D - Answer any two questions out of three long questions.*
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SECTION - A

(Attempt all the questions.)

1. Packet Filtering is done in _____ layer of OSI model. **1**
2. I KILL YOU is a virus : **1**
(a) True (b) False
3. Client - Server is a type of _____. **1**
4. Which Protocol used in Ping command ? **1**
(a) TCP (b) ICMP
(c) UDP (d) None of the above

5. Collection of information from Social Network for making crime is known as : 1
 (a) Bribery
 (b) Defamation
 (c) Social Engineering
 (d) Shoulder Surfing
6. On-line Gambling is a Cyber Crime. 1
 (a) True (b) False
7. Data Encryption are done on _____ of OSI Model. 1
8. VOIP stands for _____. 1
9. NTFS stands for _____. 1
10. NAT stands for Network Address Translation. 1
 (a) True (b) False

SECTION - B

(Very short answer type questions)

(Attempt **all** the questions.)

11. What is Fragmentation ? 2
12. Write short note on white box testing. 2
13. Write a short note on BIOS and OS. 2
14. What do you understand by Accidental. Deletion or Format ? 2
15. Write a short note on Digital Signature. 2

SECTION - C

(Short answer type questions)

(Attempt 2 out of 3 questions.)

16. Discuss the role of computer auditor and scope of computer audits. 5
17. Describe briefly the process to secure files and folders. 5
18. Write a short note on 3-D Secure Protocol and IP Sec (Internet Protocol Security). 5

SECTION - D

(Attempt 2 out of 3 long questions.)

19. Explain Vulnerabilities in information security with the explanation of any three Malicious Attacks. 10
20. What is snapshot utility ? What is defragmentation and why we need it ? What are the functions of the firewalls ? Explain the concept of algorithms. 10
21. What is software assurance ? Describe the best practices for secure software Development. Also mention the key elements of secure software life cycle process. 10
