

00442 **ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)**

Term-End Examination

December, 2018

OSEI-041 : INFORMATION SECURITY

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 questions.*
 - (iii) Section 'C' - Answer any two questions out of three.*
 - (iv) Section 'D' - Answer any two questions out of three.*
-

SECTION - A

(Objective questions)

(Attempt all the questions)

- 1. Which protocol is used in Ping Command ? 1
 - (a) UDP
 - (b) ICMP
 - (c) TCP
 - (d) None of the above

- 2. CIFS stands for _____ and MAC stands for _____ 1

- 3. A Firewall is a secure and trusted machine that sits between a private and public network. 1
 - (a) False
 - (b) True

4. Publishing obscene information is an offence as per Indian IT Act under : 1
 (a) Section - 68 (b) Section - 67
 (c) Section - 65 (d) Section - 66
5. Malware is a Category of malicious code that includes : 1
 (a) Worms (b) Trojan horses
 (c) Viruses (d) All of the above
6. What type of virus uses computer hosts to reproduce itself ? 1
 (a) Macro virus (b) Melissa virus
 (c) Worm (d) Time bomb
7. On-line Gambling is a Cyber Crime. 1
 (a) True (b) False
8. NTFS stands for _____. 1
9. UDP stands for _____. 1
10. E-Mail Hacking, Password Cracking and Denial-of-service Attacks can be done by Black-Hat Hackers. 1
 (a) True (b) False

SECTION - B

(Very short answer questions)

(Attempt all the questions)

11. What is cipher text ? 2
12. What is the difference between a threat agent and a threat ? 2

13. What is IP Spoofing ? 2
14. What is Accidental Deletion or Format of a drive? 2
15. What is BIOS ? 2

SECTION - C

(Short answer type questions) 2x5=10

(Attempt 2 out of 3 short type Questions)

16. What is PC Auditing ? Describe the benefits of PC Auditing in detail. 5
17. Describe the concept of Data Encryption and its uses. 5
18. Explain the difference between physical data security and software based data security. 5

SECTION - D

(Long answer questions)

(Attempt 2 out of 3 questions) 2x10=20

19. Describe the application of Biometrics technology in detail. 10
20. How do you measure software security ? Differentiate between Black Box Testing and White Box Testing. 10
21. What is information security ? What do you understand by security and threats in information security ? 10