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OSEI-041**ADVANCED CERTIFICATE IN
INFORMATION SECURITY (ACISE)****Term-End Examination****December, 2021****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 type questions.

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

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

(Objective Type Questions)

Note : Attempt all the questions.

1. Hackers often gain entry to a network by pretending to be at a legitimate computer. This is termed as _____. 1
(a) IP spoofing
(b) ID theft
(c) Forging
(d) Spoofing
2. What type of virus uses computer hosts to reproduce itself? 1
(a) Worm
(b) Macro virus
(c) Time bomb
(d) Melissa virus

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3. A stateful firewall maintains a _____, which is a list of active connections. 1
- (a) State table
 - (b) Connection table
 - (c) Bridging table
 - (d) Routing table
4. People who are involved in making cyber crimes are known as _____. 1
- (a) Crackers
 - (b) Designers
 - (c) Administrators
 - (d) Developers
5. I KILL YOU is a virus. 1
- (a) True
 - (b) False
6. The translation of data into a secret code is known as _____. 1
- (a) Data Encryption

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- (b) Decryption
 - (c) Hacking
 - (d) None of the above
7. A _____ is anything that can cause harm. 1
- (a) Spoof
 - (b) Threat
 - (c) Phish
 - (d) Vulnerability
8. VOIP stands for _____. 1
9. NAT stands for _____. 1
10. GIF stands for _____. 1

Section—B

5×2=10

(Very Short Answer Type Questions)

Note : Attempt all the questions.

11. Define POP and SMTP. 2
12. What do you mean by Black Box Testing ? 2

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13. Define Cipher text. 2
14. What is the difference between a threat agent and a threat ? 2
15. What is data encryption ? 2

Section—C

2×5=10

(Short Answer Type Questions)

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

16. Explain 3-D secure protocol and IPSec (Internet Protocol Security). 5
17. Explain the difference between Port Scanner and Vulnerability Scanner tool. 5
18. Describe the uses of hardware protocols. 5

Section—D

2×10=20

(Long Answer Type Questions)

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

19. Define security attack. Explain in detail about the various types of attacks an internetwork is vulnerable too. 10

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20. What is an information security blueprint ? Identify its major components and explain how it supports the information security program. 10
21. What do you mean by “Anti-Piracy Tools” ? What is the process of secure downloading from internet ? 10

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