ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)

Term-End Examination

December, 2022

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.*

Section—A

(Objective Type Questions)

Note : *Attempt all the questions.*   10×1=10

1. Packet filtering is done at _____ layer of OSI model.

2. NAT stands for _____.

3. The translation of information into a secret code is known as _____.

4. NTFS stands for _____.

5. Hackers often gain entry to a network by pretending to be at a legitimate computer. This is termed as _____.

6. Client-Server is a type of _____.

7. SSL stands for _____.

8. VoIP stands for _____.

9. EFS stands for _____.

10. We can change our IP Address given by service provider by the technique called _____.

Section—B

(Very Short Answer Type Questions)

Note : *Attempt all the questions.* 5×2=10

11. What is the difference between Firewall and Antivirus ?

12. What is the difference between PUT and GET method in HTTP ?

13. Explain the process of data recovery.

14. Write the components of an information system.

15. Mention the categories of cryptographic protocol.

Section—C

(Short Answer Type Questions)

Note : *Attempt any* **two** *out of three questions.*

2×5=10

16. Describe how port scanner is different from vulnerability scanner tool.

17. Describe the concept of Data Encryption and its uses.

18. What is the role of computer auditor ? Discuss the scope of computer audits.

Section—D

(Long Answer Type Questions)

Note : Attempt any **two** out of three questions.

$2 \times 10 = 20$

19. What is an Information Security Blueprint ? Identify its major components and explain how it supports the information security programme.

20. Write the features of LINUX and Windows OS. What do you think which one is better and why ?

21. Discuss vulnerabilities in information security, and explain any *three* malicious attacks.

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