No. of Printed Pages : 5

OSEI–041

ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)

Term-End Examination

June, 2025

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 three short answer type questions.*

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

Section—A

(Objective Type Questions)

Note **:** Attempt all the questions. 1 each

1. CIFS stands for ..... and MAC stands for ..... .
2. Peer-to-peer and client-server are two types of ..... .
3. VoIP stands for ..... .
4. A firewall needs to be ..... so that it can grow with the network it protects.
   (a) scalable
   (b) fast
   (c) expensive
   (d) robust
5. What type of virus uses computer hosts to reproduce itself ?
   (a) Time Bomb
   (b) Worm
   (c) Melissa virus
   (d) Macro virus

6. Packet filtering is done in ..... layer of OSI model.

7. In computing, ... is the creation of a virtual version of something, such as hardware platform, operating system, a storage device or network resources.

8. Software programs that close potential security breaches in an operating system are known as ..... .

   (a) Security patches

   (b) Security repairs

   (c) Refresh patches

   (d) Security breach fixes

9. Hardware or Software designed to guard against unauthorised access to a computer network is known as ..... .

   (a) Encryption safe wall

   (b) Firewall

   (c) Hacker-resistant server

   (d) Hacker-proof program

10. UAC stands for ..... .

Section—B

(Very Short Answer Type Questions)

Note **:** Attempt all the very short answer type questions.

11. What is IP spoofing ? 2
12. Differentiate between GET and POST method in HTML. 2
13. What do you understand by Traffic Monitoring ? 2
14. What is BIOS ? 2
15. What are the critical characteristics of information ? 2

Section—C

(Short Answer Type Questions)

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

16. What do you understand by cryptographic protocol ? Explain with the help of suitable examples. 5
17. Explain how port scanner is different from vulnerability scanner tool. 5

18. What is PC auditing ? Describe the benefits of PC auditing in detail. 5

Section—D

(Long Answer Type Questions)

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

19. Explain any *five* attacks applicable on any host machine. 10

20. What is Protocol ? What is the need of Protocol ? Differentiate between Hardware and Software Protocol. 10

21. Write short notes on the following : 5×2=10

    (a) Social Engineering

    (b) Password Cracking

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