

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

Term-End Examination

June, 2021

OSEI-041 : INFORMATION SECURITY

Time : 2 hours

Maximum Marks : 50

Note :

*Section A : Answer **all** the Objective Type Questions.*

*Section B : Answer **all** the Very Short Answer Type Questions.*

*Section C : Answer any **two** out of three Short Answer Type Questions.*

*Section D : Answer any **two** out of three Long Answer Type Questions.*

SECTION A

Objective Type Questions

*Attempt **all** the questions.*

1. We can change our IP Address given by the service provider by the technique called IP _____ . 1
2. What is a Firewall in computer network ? 1
 - (a) A web browsing software
 - (b) An operating system of computer network
 - (c) The physical boundary of network
 - (d) A system designed to prevent unauthorized access

- 3.** A computer virus must *1*
- (a) Delete the data
 - (b) Replicate itself
 - (c) Execute itself
 - (d) Both (a) and (c)
- 4.** VOIP stands for _____ . *1*
- 5.** EFS stands for _____ . *1*
- 6.** UAC stands for _____ . *1*
- 7.** Creating strong computer security to prevent computer crime usually simultaneously helps to protect *1*
- (a) Personal space
 - (b) Privacy rights
 - (c) Personal ethics
 - (d) The number of cookies downloaded to your personal computer
- 8.** Packet filtering is done _____ layer of OSI Model. *1*
- 9.** NAT stands for _____ . *1*
- 10.** I LOVE YOU is a virus. *1*
- (a) True
 - (b) False

SECTION B

Very Short Answer Type Questions

Attempt ***all*** the questions.

11. What are the categories of Cryptographic Protocol ? 2
12. Explain in brief BIOS and OS. 2
13. Explain the process of data recovery. 2
14. What is Hacking ? 2
15. What is IP Spoofing ? 2

SECTION C

Short Answer Type Questions

*Attempt **two** out of three questions.*

- 16.** What is PC Auditing ? Explain the benefits of PC Auditing in detail. 5
- 17.** Explain the role of security protocols. 5
- 18.** What are the measures that may be taken for intrusion detection ? 5

SECTION D

Long Answer Type Questions

*Attempt **two** out of three questions.*

- 19.** What is Information Security ? What do you understand by security and threats in information security ? 10
- 20.** What do you understand by 'Anti-Piracy Tools' ? What is the process of securing downloading from Internet ? 10
- 21.** Explain the difference between System Development Life Cycle (SDLC) and Security System Development Life Cycle (Sec SDLC). 10
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