# ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)
## Term-End Examination
## June, 2022

### 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. UAC stands for _____.                                    *1*

2. To create a copy of files in the event of system failure, you create a _____.                                    *1*

   (a) redundancy

   (b) firewall

   (c) backup

   (d) restore file

**3.** An intentionally disruptive program that spreads from program to program or from disk to disk is known as _____. *1*

(a) Time related bomb sequence

(b) Time bomb

(c) Virus

(d) Trojan horse

**4.** _____ provides a connection-oriented reliable service for sending messages. *1*

(a) UDP

(b) TCP

(c) IP

(d) All of the above

**5.** Malware is a category of malicious code that includes _____. *1*

(a) Worms

(b) Trojan horses

(c) Viruses

(d) All of the above

**6.** Packet filtering is done in _____ layer of OSI model. *1*

**7.** EFS stands for _____. *1*

**8.** UDP stands for _____.                    *1*

**9.** Which Protocol is used in Ping command ?     *1*

    (a)   UDP

    (b)   TCP

    (c)   ICMP

    (d)   None of the above

**10.** A firewall needs to be _____ so that it can grow with the network it protects.     *1*

    (a)   fast

    (b)   scalable

    (c)   expensive

    (d)   robust

## SECTION B

### Very Short Answer Type Questions

*Attempt **all** the questions.*

**11.** Explain Hackers and Crackers.                    *2*

**12.** Define BIOS and OS.                              *2*

**13.** Describe Software Piracy.                        *2*

**14.** What do you mean by User Restricted Data ?      *2*

**15.** Give some useful tricks to make a strong
       password.                                        *2*

## SECTION C

## Short Answer Type Questions

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

**16.** Explain cryptographic protocol, with the help of an example. *5*

**17.** Explain the benefits of PC Auditing in detail. *5*

**18.** Explain the uses of Data Encryption. *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.** How do you measure Software Security ? Differentiate between Black Box Testing and White Box Testing. *10*

**21.** Describe the application of Biometrics technology in detail. *10*

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