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OSEI-041

**ADVANCED CERTIFICATE IN
INFORMATION SECURITY**

(ACISE)

Term-End Examination

June, 2023

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.

P. T. O.

Section—A**(Objective Type Questions)**

Note : *Attempt all the questions.* 1 each

1. The software package which automatically plays, displays, downloads advertisements is known as
2. IDPS stands for
3. UDP stands for
4. provides a connection-oriented reliable service for sending messages.
5. type of virus uses computer hosts to reproduce itself.
6. GID stands for
7. People who are involved in making cyber crimes are known as
8. Software programs that close potential security breaches in an operating system are known as

9. Hardware or software designed to guard against unauthorised access to a computer network is known as
10. protocol is used in Ping command.

Section—B

(Very Short Answer Type Questions)

Note : Attempt all the short questions.

11. Differentiate between vulnerability and exposure. 2
12. What is the difference between a threat agent and a threat ? 2
13. Briefly discuss POP and SMTP. 2
14. Write a short note on BIOS and OS. 2
15. What is network spoofing ? 2

Section—C

(Short Answer Type Questions)

Note : Attempt two out of three short answer questions.

16. Discuss the measures that may be taken for intrusion detection. 5

17. Describe the use of hardware protocols. 5
18. Describe Social Engineering, with suitable examples. 5

Section—D

(Long Answer Type Questions)

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

19. Explain how a computer system can be attacked. Also discuss its protection measures. 10
20. What are data recovery techniques ? Generate the computer security audit checklist. 10
21. Explain the application of biometrics technology in detail, with suitable examples. 10