

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

**Term-End Examination**

**December, 2020**

**OSEI-041 : INFORMATION SECURITY**

*Time : 2 Hours*

*Maximum Marks : 50*

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**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.

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**Section—A**

1 each

**Note :** Attempt all the questions.

1. People who are involved in making cyber crimes are known as :

(a) Designers

- (b) Crackers
  - (c) Administrators
  - (d) Developers
2. Which protocol is used in ping command ?
- (a) UDP
  - (b) ICMP
  - (c) TCP
  - (d) None of the above
3. Nmap Tool Pro is used for .....
4. GID stands for .....
- (a) Group Identification
  - (b) Graphical Intrusion Detection
  - (c) Google ID
  - (d) Group Integrated Devices
5. Inaccurate data entry, worms and viruses, fraud and hardware malfunction are ways which affect :
- (a) Software
  - (b) Database
  - (c) Users
  - (d) Data Security

6. One-line Gambling is a cyber crime.
  - (a) True
  - (b) False
7. Publishing obscene information is an offence as per Indian IT Act under :
  - (a) Section-68
  - (b) Section-67
  - (c) Section-66
  - (d) Section-65
8. Client-Server is a type of .....
9. The translation of data into a secret code is known as :
  - (a) Data Encryption
  - (b) Decryption
  - (c) Hacking
  - (d) None of the above
10. NTFS stands are .....

**Section—B**

2 each

**Note :** Attempt all the questions.

11. What is the difference between a threat agent and a threat ?
12. What do you mean by Data Encryption ?

**P. T. O.**

13. What do you understand by Accidental Deletion or Format ?
14. What is Cipher text ?
15. Write a short note on POP and SMTP.

**Section—C**

5 each

*Note : Attempt any **two** short answer type questions.*

16. Explain how Port Scanner is different from vulnerability scanner tool.
17. Write a note on social engineering.
18. Write a note on cryptography and its working.

**Section—D**

10 each

*Note : Attempt any **two** long answer type questions.*

19. What is authentication mechanism ? Explain in detail.
20. What is a Malware ? What are the types of Malware ? How does it transmit over the Internet ? What are the counter measures one should take to secure the system from Malwares ?
21. Explain the application of Biometrics technology in detail.