

00161

ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)

Term-End Examination

June, 2015

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.*
(iv) *Section 'D' - Answer any two questions out of three.*

SECTION - A

(Objective type questions.)

1x10=10

(Attempt all the questions)

1. What does WWW stand for ? **1**
(a) Web World Wide
(b) World Web Wide
(c) World Wide Web
(d) None of the above
2. Which of the following is **not** an accepted approach to controlling a computer-based information system ? **1**
(a) Prohibition (b) Recovery
(c) Deterrence (d) Containment

3. What states that you may use copyrighted material in certain situations—for example, in the creation of new work or within certain limits, for teaching purposes ? **1**
- (a) Ethics (b) Intellectual property
(c) Copyright (d) Fair use doctrine
4. Which of the following is an example of acting unethically ? **1**
- (a) Individuals copy, use and distribute software
(b) Employees search organizational databases for sensitive corporate and personal information
(c) Individuals hack into computer systems to steal proprietary information
(d) All of the above
5. Which of the following will **not** protect you from spam ? **1**
- (a) Spam blockers (b) e-mail rules
(c) Popup blocker (d) Filters
6. In the right setting, a thief will steal your information by simply watching what you type termed as _____. **1**
- (a) Snagging
(b) Spying
(c) Social engineering
(d) Shoulder surfing

7. To read the system messages and warnings, access the _____ in windows. 1
(a) system manager
(b) control panel
(c) event viewer
(d) message screen
8. To recover files from a backup, you perform a _____ 1
(a) restore (b) scan
(c) unerase (d) copy
9. The _____ prevents unlawful access to voice communications by wire. 1
(a) Electronic Communications Privacy Act
(b) Freedom of Information Act
(c) USA Patriot Act
(d) Privacy Act of 1974
10. This power protection device includes a battery that provides a few minutes of power termed as _____ 1
(a) surge suppressor
(b) line conditioner
(c) generator
(d) UPS

SECTION - B

(Very short answer type questions.)

11. Write short notes on the following : 5x2=10
(a) Black box testing
(b) Domain name system
(c) File transfer protocol
(d) Data encryption
(e) Botnets

SECTION - C

(Short answer type questions.) 2x5=10

(Attempt 2 out of 3 short type questions)

12. Explain the use of hardware protocols. 5

13. Explain how data integrity and data confidentiality is provided as a part of information security. 5

14. Compare and contrast between cryptography and cryptology. 5

SECTION - D

(Long answer type questions) 2x10=20

(Attempt 2 out of 3 long type questions)

15. Define security attack. Explain in detail about the various types of attacks an internetwork is vulnerable to. 10

 16. Explain the different measures to be taken for protecting passwords. 10

 17. Explain how you can have secure internet surfing. 10
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