

**Term End Examination - June, 2018**  
**Diploma/Post Graduate Diploma in Cyber Security**  
**DCS-03/ CSP-012: INFORMATION SECURITY**

**Time - 3 hours**

**Full Mark – 100**

*Answer all questions from Group - 'A', any four questions from  
Group - 'B, any four questions from Group - 'C' and any two question from Group- 'D'*

**Group 'A'**

*(Answer all the questions)*

**Q.No.1 (Choose the correct answer)**

**Mark: 1 × 10= 10**

- i. The phrase \_\_\_\_\_ describes viruses, worms, Trojan horse attack applets, and attack scripts.
  - a) malware
  - b) spam
  - c) phish
  - d) virus
  
- ii. What is meant by the term 'cyber-crime'?
  - a) Any crime that uses computers to jeopardize or attempt to jeopardize national security
  - b) The use of computer networks to commit financial or identity fraud
  - c) The theft of digital information
  - d) Any crime that involves computers and networks
  
- iii. Hackers often gain entry to a network by pretending to be at a legitimate computer.
  - a) spoofing
  - b) forging
  - c) IP spoofing
  - d) ID theft
  
- iv. What is 'malware'?
  - a) A virus
  - b) worm
  - c) A Trojan horse
  - d) All of the above
  
- v. In Message Confidentiality, the transmitted message must make sense to only intended
  - a) Receiver
  - b) Sender
  - c) Modem
  - d) Translator
  
- vi. A \_\_\_\_\_ is anything that can cause harm.
  - a) vulnerability
  - b) phish
  - c) threat
  - d) spoof
  
- vii. A \_\_\_\_\_ monitors the activity on the Internet and transmit that information in the background to someone else.
  - a) Malware
  - b) Spyware
  - c) Adware
  - d) None of these
  
- viii. In computer security, \_\_\_\_\_ means that computer system assets can be modified only by authorized parties.
  - a) Integrity
  - b) Availability
  - c) Authenticity
  - d) Confidentiality
  
- ix. Which of the following is not an antivirus program?
  - a) Norton
  - b) AK47
  - c) Quick Heal
  - d) All of the above

- x. All of the following are the real security and privacy theft except \_\_\_\_\_
- a) Worm
  - b) Spam
  - c) Hackers
  - d) Virus

**Group 'B'**

**Q.No.2 (Answer any four questions each within 50 words)**

**Marks: 5 × 4= 20**

- a) What is an SQL injection?
- b) What do you mean by System Threats?
- c) What is Operating System Vulnerability?
- d) What are the benefits of forensic readiness?
- e) Write a brief notes on COBITS?
- f) What are the common criteria of Evaluation of IT Security?

**Group 'C'**

**Q.No.3 (Answer any four questions each within 200 words)**

**Mark: 10 × 4= 40**

- a) Mention the desktop security policies?
- b) Write the different types of Trojan horse.
- c) What do you mean by database security?
- d) What is a Program threat? List and explain some well-known program threats.
- e) What is DRP? Write its benefits of DRP.
- f) What is a Digital Signature? Explain with example.

**Group 'D'**

**Q.No.4 (Answer any two questions each within 250 words)**

**Mark: 15 × 2= 30**

- a) Write the short notes how to make your personal computer secured?
- b) What is a programming bug? Explain the impact of programming bug.
- c) What is a malicious code? Explain the different malicious codes.
- d) Define Operating System Security. What are the mechanisms employed to ensure operating system security?

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