2/22   **1308E231**   Candidate's Seat No :_____

BCA Sem-5 Examination
SEC 301
Information Security

Time : 2-00 Hours]   August 2021   [Max. Marks : 50

Section-I (Attempt any two questions)

Q-1. **(A)** Discuss any eight Information Security Principles of success.   **10**
      (B) Write the types of computer crimes. How do criminals commit crimes? **10**

Q-2. **(A)** Discuss the principles of operation security and operation security
          process control.   **10**
      (B) Explain site selection and technical controls in physical security.   **10**

Q-3. **(A)** Explain the principles of authentication.   **10**
      (B) What is Cryptography? Explain the role of keys in crypto systems.   **10**

Q-4. **(A)** Explain OSI reference model in details.   **10**
      (B) Explain Intrusion Detection System and malware in details.   **10**

Section-II   **10**

(1) Which of the following roles helps development teams with meeting security requirements?

     (A) compliance officers   (B) security architects

     (C) policymakers   (D) security consultants

(2) _____ is the enemy of security.

     (A) complexity   (B) doubt

     (C) fear   (D) uncertainty

(3) A cookbook on how to take advantage of a vulnerability is called_____

     (A) exploit   (B) program

     (C) threat   (D) risk

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(4) Which of the following computer crimes involves overtaxing a computer's resources until it is no longer functional?

    (A) denial of Service (DOS)   (B) rogue code

    (C) spoofing IP addresses   (D) information warfare

(5) The computer criminal who calls a help desk trying to obtain another user's password is most likely a_____

    (A) dumpster diver   (B) social engineer

    (C) black-hat hacker   (D) spammer

(6) The three objectives of information security are_____

    (A) confidentiality, integrity and availability (B) resilience, privacy and safety

    (C) safety, access control and secrecy   (D) confidentiality secrecy and privacy

(7) When you use same key to both encrypt and decrypt message, its called _____ cryptography.

    (A) asymmetric key   (B) symmetric key

    (C) public private key   (D) none of the above

(8) _____ method of identification work by measuring unique human characteristic as a way to conform identity.

    (A) biometrics   (B) micro metrics

    (C) macro metrics   (D) macro biometrics

(9) _____controls are needed for proper marking and handling of assets.

    (A) monitoring   (B) preventive

    (C) detective   (D) media viability

(10) Security through _____ means that hidings the details of security mechanisms is sufficient to secure the system.

    (A) layers   (B) network

    (C) obscurity   (D) none of the above