# ND-109

**November-2021**

**BCA., Sem.-V**

**301 (B) : Information Security**

**Time : 2 Hours]**                                            **[Max. Marks : 50**

**Instructions :**    (1)    **All** Questions in Section – **I** carry equal marks.

                  (2)    Attempt any **Two** questions in Section – **I**.

                  (3)    Question – **5** in Section – **II** is compulsory.

## Section – I

1.    (A)    Explain Information Security principles of success in detail.      **10**

      (B)    Explain different types of computer crimes and how cyber criminals commit those crimes ?      **10**

2.    (A)    Write a note on Physical security domain and security threats.      **10**

      (B)    Explain principles of operation security.      **10**

3.    (A)    Explain the terms and concepts of Access Control System.      **10**

      (B)    Write a detailed note on examining digital cryptography.      **10**

4.    (A)    What is Network ? Explain different types of data networks.      **10**

      (B)    Discuss the OSI reference model.      **10**

## Section – II

5.    MCQs      **10**

      (1)    DoS stands for _____.

          (A)    Denial-of-Service           (C)    Data-of-Service

          (B)    Digital-of-Service          (D)    Devices-of-Service

(2) A mechanism used to encrypt and decrypt data.

(A) Algorithm (C) Cryptography

(B) Data flow (D) None of these

(3) Using RSA cryptosystem with p=7 and q=9. What is n = ?

(A) 7 (C) 9

(B) 63 (D) 48

(4) TLS stands for

(A) Transport Layer Service (C) Transport Layer Structure

(B) Transport Layer System (D) Transport Layer Security

(5) In which of the following, a person is constantly followed/chased by another person or group of several people ?

(A) Phishing (C) Bulling

(B) Stalking (D) Identity theft

(6) VPN stands for

(A) Virtual Public Network (C) Visual Private Network

(B) Virtual Private Network (D) Video Private Network

(7) CCTV stands for

(A) Closed-Circuit Transaction (C) Closed-Circuit Television

(B) Common-Circuit Television (D) Control-Circuit Television

(8) Which of the following is considered as the unsolicited commercial email ?

(A) Virus (C) Malware

(B) Spam (D) All of the above

(9) Which of the following refers to the violation of the principle if a computer is no more accessible ?

(A) Access control (C) Confidentiality

(B) Availability (D) All of the above

(10) Which of the following are the types of scanning ?

(A) Network, vulnerability and port scanning

(B) Client, Server, and network

(C) Port, network, and services

(D) None of the above

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