Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 07

BCA (Sem.–6)
INFORMATION SECURITY
Subject Code : UGCA-1948
M.Code : 91695
Date of Examination : 14-07-22

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.**

SECTION-A

1. **Write briefly :**

    a. Computer Criminals

    b. Transposition Cipher

    c. Asymmetric Key Cryptography

    d. Malicious Code

    e. Threats in Network

    f. User Authentication

    g. Firewall

    h. Computer Crime

    i. Digital Signature

    j. Intrusion Detection System

SECTION-B

2. What do you understand by Computer Security? Explain the different methods of defense.

3. What is Cryptography? Explain the concept of Data Encryption Standard (DES) in detail.

4. Discuss the File protection mechanisms in detail.

5. What is network security? Discuss different threats and controls in network.

6. What are the different methods of database security for sensitive data?

7. What are the legal privacy and ethical issues in computer security?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.