B.Sc. (IT)   (Sem.–6)
INFORMATION SECURITY
Subject Code : UGCA-1948
M.Code : 91734
Date of Examination : 06-01-2023

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) Define use of Cryptography.

    b) Write the working of DES Algorithm.

    c) Why viruses are dangerous to computer?

    d) What is malicious code?

    e) Write example of secure operating system.

    f) Define multilevel database.

    g) Write advantages of multilevel security.

    h) Define secure Email.

    i) What is software failure?

    j) Write the importance of Ethical Issues.

SECTION-B

2. a) Write about Asymmetric and Symmetric cryptography.

    b) What are uses of Encryption/Decryption?

3. Explain the example of trusted operating system design.

4. a) What is File protection mechanism in operating system.

    b) Discuss the importance of Firewall in security?

5. Give the introduction of Network Security Controls in Information System?

6. What is security planning? How organizational security policies are implemented?

7. Explain some of the rights of Employees in Corporate related to 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.