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 : 04-01-2023

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. Computer Security

   b. Substitution Cipher

   c. Symmetric Key Cryptography

   d. Malicious Code *vs.* Non-Malicious Program Errors

   e. Threats in Network

   f. Ethical issues in Computer Security

   g. Firewall

   h. Computer Crime

   i. Digital Signature

   j. Intrusion detection System.

SECTION-B

2. What is Cryptography? Discuss the different algorithms used for encryption.

3. Explain the file protection mechanisms in Detail.

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

5. What are the different methods of database integration and security?

6. What is Risk analysis? What are the different security policies of an organization?

7. Explain different ethical issues in computer security.

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