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Total No. of Pages : 02

Total No. of Questions : 07

B.Sc. (IT) (Sem.-6)
INFORMATION SECURITY
Subject Code : UGCA-1948
M.Code : 91734
Date of Examination : 08-07-22

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) Define Security in computers.
- b) How RSA Algorithm works?
- c) What are digital signatures?
- d) Write any two features of security in operating system.
- e) What is program threat?
- f) What is the use of multilevel security?
- g) Discuss E-mail Security issues.
- h) Define Data privacy.
- i) Write about computer crime.
- j) What is Risk Analysis?

SECTION-B

2. a) Explain use of Encryption/Decryption.
b) What is concept of Public Key Encryption?
3. What is secure operating system? How would you provide the security on operating system?
4. a) Discuss the applications of Firewall.
b) What are the methods for protecting memory?
5. Give the introduction of Security in transmission of data through Networks?
6. What is security planning? How Ethical issues are implemented?
7. What are the rights of an employee with company related to corporate 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.