

Roll No.

Total No. of Pages : 02

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BCA (Sem.-6)
INFORMATION SECURITY
Subject Code : BSBC-604
M.Code : 75014
Date of Examination : 05-01-2023

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. Answer briefly :

- a) What is information classification?
- b) List various phase of security development life cycle.
- c) Define COBIT.
- d) List various components of information system.
- e) List various international security standards.
- f) What is use of RSA algorithm?
- g) Define the role of digital signature.
- h) What is security audit?
- i) Define DES.
- j) What is meant by security assurance?

SECTION-B

2. Define information security. Explain how information security and access can be balanced in an organization.
3. **Write notes on the following :**
 - a) Database security
 - b) Firewall and its types.
4. What are intrusion detection and intrusion prevention systems? Discuss various security procedures and guidelines.
5. Define cryptography. What is its need? Explain various types of cryptography.
6. What are various malicious softwares? How they can affect the data and security of the system.
7. **Write notes on the following :**
 - a) Principle of public key cryptosystems
 - b) IPR.

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.