

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

**M.Sc.(IT)/MCA (Sem.-4)**  
**INFORMATION SECURITY AND CYBER LAW**

Subject Code : PGCA-1932

Paper ID : 79695

Date of Examination : 12-07-22

Time : 3 Hrs.

Max. Marks : 70

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B & C have FOUR questions each.
3. Attempt any FIVE questions from SECTION B & C carrying TEN marks each.
4. Select atleast TWO questions from SECTION - B & C.

**SECTION-A**

1. Write short notes on :

- a. CIA Triad
- b. Components of Information System.
- c. Discretionary Access Control (DAC)
- d. Database Encryption
- e. Viruses vs. Worms
- f. Keyloggers
- g. Honeypots
- h. Digital Signature
- i. Encryption
- j. Patent

## SECTION-B

2. What is Information System? Discuss classifications and components of an information system.
3. What do you understand by authentication? What is Token Based authentication?
4. What is an effective defense against denial of service attacks?
5. What is the need for Database Security? How did encryption use to secure the database?

## SECTION-B

6. What is IDS? How distributed Host Based intrusion detection work?
7. What are intrusion detection-systems and their types?
8. Discuss the terms SSL, TLS, HTTPS, and their use to implement security.
9. Which is the main cyber law in India? What are classification and provisions of cyber crimes?

**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.**