Roll No. | | | | | | | | | | | | **Total No. of Pages : 02**

Total No. of Questions : 09

MCA (Sem.–2)

INFORMATION SECURITY AND CYBER LAW

Subject Code : PGCA-1932

M.Code : 79619

Date of Examination : 14-07-22

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) Define any two components of Information Security.

b) Define CIA triad.

c) How is Biometric Authentication different from password authentication?

d) Differentiate between Honeypots and Firewall?

e) Differentiate between Virus and Trojans?

f) What is the difference between Law and Ethics?

g) Define digital signatures.

h) What is the significance of honeypots?

i) What is intellectual property?

j) What is phishing?

SECTION-B

2. a. Differentiate between Password based and Token-based Authentication with suitable examples.

   b. Why and how to provide security to Database Management Systems?

3. Discuss and compare various access control policies.

4. What are the types of malicious software? How they harm the network system?

5. What is the need for database security? What are database access controls in Database Management System?

SECTION-C

6. What is Intrusion Detection System? Differentiate between Host based and Network based IDS?

7. Discuss about Indian Cyber Laws.

8. Define firewalls. What are the various types of firewalls?

9. Differentiate between symmetric and asymmetric encryption. Describe transposition techniques by taking suitable examples.

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.