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

Total No. of Questions : 09

MCA (Sem–2)

INFORMATION SECURITY AND CYBER LAW

Subject Code :PGCA1932

M.Code : 79619

Date of Examination :29-05-2025

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 atleastTWO questions from SECTION - B &C.**

SECTION-A

1. Write short notes on :

a) What is information system availability?

b) Define computer worm.

c) What is a cryptographic algorithm?

d) Explain token authentication.

e) What is a zombie?

f) What is a firewall?

g) Define E-Governance.

h) What is network-based IDS?

i) What is phishing?

j) Significance of cyber laws.

SECTION-B

2. Analyze the structure and strategic importance of Information Systems.

3. Evaluate the user authentication techniques and their security implications.

4. Examine access control models and their role in information security.

5. Investigate database security challenges and malware protection strategies.

SECTION-C

6. Describe the functioning of Intrusion Detection Systems in cybersecurity.

7. Discuss firewall technologies and their network defense capabilities.

8. Explore cryptographic algorithms and their practical applications.

9. Analyze internet security protocols and the framework of cyber laws.

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.