

ROLL No:

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Total number of pages:[1]

Total number of questions:06

MCA/ 3rd Sem

Information Security

Subject Code: MCA302

Paper ID :

Time allowed: 3 Hrs

Important Instructions:

Max Marks: 60

- All questions are compulsory

PART A (2×10)

Q. 1. Short-Answer Questions:

- What do you mean by computer security?
- What is the use of digital signature?
- List various security objectives.
- What are viruses and worms?
- What is phishing?
- Why database security is important?
- What are pseudo numbers?
- Define the term cloud computing.
- What is DoS attack?
- What do you mean by authentication?

PART B (8×5)

Q. 2. Explain key management strategies.

CO1

OR

What is cryptography? Explain different encryption techniques.

CO1

Q. 3. Explain the types of user authentication strategies.

CO2

OR

What is need of database security? How encryption helps to achieve it? Explain.

CO2

Q. 4. List different types of security attacks. Explain process for DDoS attack.

CO3

OR

What is malicious software? Explain its types in detail.

CO3

Q. 5. Explain different types of buffer over flow attacks.

CO4

OR

Explain various security challenges in detail.

CO4

Q. 6. How user authentication is implemented in UNIX operating system?

CO5

OR

What are the advantages of multilevel security? Explain.

CO5