

Roll No.

Total Pages : 2

BT-8/M-20

38195

INFORMATION SECURITY

Paper–IT-406-N

Time Allowed : 3 Hours]

[Maximum Marks : 75

Note : Attempt **five** questions in all, selecting at least **one** question from each Unit. All questions carry equal marks.

UNIT-I

1. What are the various types of security attacks? Why is the security needed in Computers? 15
2. Discuss in detail about symmetric and asymmetric key cryptography techniques. 15

UNIT-II

3. What is the principle of Block Cipher? What is the working of encryption function? 15
4. Discuss in detail about Diffie-Hellman and ECC algorithms. 15

UNIT-III

5. What do mean by secure hashing technique? Compare SHA-1 and SHA-256 algorithms. 15

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6. What is hash function? How do digital signature provide more authentication to the data? 15

UNIT-IV

7. What are the Intruders? How is an Intrusion detected? What are the related threats due to Intrusion? 15
8. What do mean by E-mail security? Write short notes on Pretty Good Privacy and S/MIME. 15

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