

Roll.No.

24UDSET6B02

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai - 600 044.

B.Sc.Cs with DS - END SEMESTER EXAMINATIONS - NOVEMBER 2025
SEMESTER - VI

24UDSET6B02- Information Security

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. What is the difference between substitution and transposition?
2. Analyse possible attacks on digital signature.
3. Describe how a computer virus propagates.
4. What are the different types of Access controls and define each.
5. Sketch the message flow in Kerberos authentication: from client to Authentication Server (AS), TGS, and to the service.
6. Classify the types of Non-Malicious program errors.
7. Analyze the potential impact of a Salami Attack on an organization's financial integrity.
8. Distinguish between a threat and a vulnerability with examples.

Section C

Answer any **THREE** questions ($3 \times 10 = 30$ Marks)

9. Explain simplified DES with example.
10. Describe how steganography differs from cryptography.
11. Evaluate the role of honeypots in a network defence strategy. Under what conditions are they useful? What are the risks.
12. Classify the types of Network Security Controls.
13. Compare Trapdoor and a legitimate system feature.
