

**FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2021 ONLY)**

NGM COLLEGE (AUTONOMOUS) POLLACHI

END-OF-SEMESTER EXAMINATIONS: MAY-2023

UG COURSES (S.F.)

MAXIMUM MARKS: 50

SEMESTER IV

TIME: 2 HOURS

PART-IV

NON-MAJOR ELECTIVE – II- COMPUTER SECURITY

SECTION - A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. Which ensures that the sender of the message cannot later claim that the message was never sent?
a) Availability b) Authentication c) Access control d) Non-Repudiation
2. Which one is the codified language?
a) Cipher text b) Plain text c) Normal text d) Simple text
3. What is an example of vernam cipher?
a) Substitution cipher b) Transposition cipher c) Both d) None of these
4. Recall the conversion of plain text to cipher text.
a) Encryption b) Decryption c) Cryptography d) Cryptanalyst
5. Find the mechanism of writing text as rows and reading as columns is called?
a) Vernam cipher b) Caeser cipher
c) Simple columnar transposition technique d) Homophonic Substitution cipher

ANSWER THE FOLLOWING QUESTIONS

(K2)

6. Define decryption?
7. Tell about confidentiality.
8. Recall integrity.
9. Who is called cryptanalyst?
10. Define caeser cipher?

SECTION – B

(5 X 8 = 40 MARKS)

ANSWER ANY FIVE QUESTIONS OUT OF EIGHT QUESTIONS.

(K3)

11. Explain about need for security?
12. Explain the principles of security?
13. Write a detailed note on cryptography?
14. Explain about caeser cipher?
15. Write notes Mono-alphabetic cipher in detail?
16. Explain about homophonic substitution cipher in detail?
17. Give a detailed explanation on rail fence technique?
18. Explain in detail about simple columnar transposition technique?