

**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) Caesar 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 caesar 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 caesar 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?