(FOR THE CANDIDATES ADMITTED DURING

THE ACADEMIC YEAR 2020 ONLY)

20UIT4N4

REG. NO.:

NGM COLLEGE (AUTONOMOUS) POLLACHI

END OF SEMESTER EXAMINATIONS: JULY 2022

UG COURSES (SF)   MAXIMUM MARKS: 50

IV - SEMESTER   TIME: 2 HOURS

PART-IV: NON MAJOR ELECTIVE - II

COMPUTER SECURITY

SECTION – A   **(10 X 1 = 10 MARKS)**

ANSWER ALL THE QUESTIONS: (K1)
(Multiple choice questions)

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. What is 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 IN ONE OR TWO SENTENCES. **(K2)**

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

SECTION – B   **(5 X 8 = 40 MARKS)**

ANSWER ANY FIVE QUESTIONS FROM THE FOLLOWING. (K3)

11. Explain need for security.

12. Explain the principles of security.

13. Write a detailed note on cryptograph.

14. Explain caeser cipher.

15. Write notes Mono-alphabetic cipher in detail.

16. Explain homophonic substitution cipher in detail.

17. Give a detailed explanation on rail fence technique.

18. Explain in detail simple columnar transposition technique.

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