CHAPTER 2 ASSIGNMENT

DATE:22/7/2024

NOTE: SOLVE THIS ASSIGNMENT AND SUBMIT ON 26/7/2024

- Find the cipher text for following plain text and key using columnar technique:
- PT: The German army surprise the allies with a swift attack Key: describe
- Find the cipher text for following plain text and key using playfair cipher:
- PT: Playfair cipher has a great advantage over monoalphabetic cipher Key: DIPLOMA
- Find the cipher text for following plain text and key using rail fence technique:
- PT: Aim for sun may be you hit the star
- Key: 3
- 4. Find the cipher text for following plain text and key using rail fence technique:
- PT: There are no regrets in life.
- Key: Be positive.
- Find the cipher text for following plain text and key using hill cipher:

PT:
$$\begin{pmatrix} 2 \\ 3 \\ 4 \end{pmatrix}$$

Key: $\begin{pmatrix} 1 & 0 & 2 \\ 2 & 3 & 0 \\ 4 & 0 & 1 \end{pmatrix}$

- 6. Find the cipher text for following plain text and key using columnar technique:
- PT: Punctuality is essential.
- Key: earth
- 7. Find the cipher text for following plain text and key using hill cipher:

PT: [11 20 9]
Key:
$$\begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix}$$