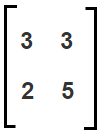
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Course ID** | 108994 | **Course Name** | Cryptography |
| **Date** | 24-02-22 | **Assignment No** | 1 |
|  |  | **Total Points** | 40 |

Q No 1: Using Caesar Cipher, encrypt and decrypt the plaintext “new key shared”. The k=14. Show all working. ; 4 Pts

Q No 2: Using Vigenere Autokey Cipher, encrypt and decrypt the plaintext written in question-1. The key is “blacksmith”. Show all working. 6 Pts

Q No 3: Using Playfair Cipher, encrypt and decryptthe plaintext written in question-1. Use the key as written in Question-2. Show all working. 6 Pts

Q No 4: Using Hill Cipher, Encrypt and Decrypt the plaintext “forces are arrived”. The key is shown below. Show all working. 10 Pts



Q No 5: Using Row-Transpose cipher encrypt and decrypt PT= “meet me at mereweather tower at six night” and Key=“youth”. 4 Pts

Q No 6: Write a code of Auto-key or Vigenere cipher in your preferred programming language and get print of source code. 10 Pts