NAME :- KRUNAL RANK

ROLL No :- U18CO081

CLASS :- BTECH 4TH YEAR

SEMESTER :- 7

DIVISION :- B

Cryptography and Network
Security
Tutorial 3

Ans 1:

```
G  U  A  R  B
C  D  E  F  H
I  K  L  M  N
O  P  Q  S  T
V  W  X  Y  Z
```

Plaintext:- SURGICALSTRIKE
Pair :- SU RG IC AL STX RI KG
Encryption:- PR UB OI EQ TO GM LD
Encrypted text:- PRUBOIEQTOGMLD

Ans 2: Plaintext:- COVID SITUATION
Depth :- 3

```
C        D        T        I
   O  I      I  U      T  O
      V        S        A        N
```

Encryption:- CDTI OI IUTOVSAN

Ans 3: Caesar Cipher:- QXPEHU
Plaintext :- NUMBER
Key :- 16

Ans 5: For Substitution cipher,
No. of possible orders of 26 alphabets = 26!