MCQ

D- a - Symmetaiic key encryption with receiver

(2)- C - Spywone.

3). c - An authentication of an electronic succosed.

g-d-none.

3. a. Only on althanomeric.

6- C- AII.

T- a - Hash value.

(1)- d- option a and c one sight.

(9- b- to make even no gletters.

(10)- C- Possibility of replacement.

12

```
<u>U3</u> Vigenere Cipher -
  "input plain text = " Cryptography"
  key = "Monauchy"
Jel Key2 (storing, key):
      key = list (key)
      IJ len (staing) == len (key):
          netwan (key)
       else:
          Jon in Hange Clen (storing) - len(key)):
               key - append (key [ i / len (key)])
       return (" ". join (key))
 def enc (Storing, key):
      ehtesult = []
      pri in range (len (storing)):
           X = (Ond (staing [i]) + Ond (key [i])) % 26
           X = X + Ond(C'A')
          ensesult. append (char(x))
       Hetuan (" ". join (englesult ))
```

As .

ded dec Censiesuit, key):

desiesuit = []

Jon i in stange Clen (::: ensiesuit [ii]):

X = (Ord (ensiesuit [ii]) - Ord (key [ii]) +26)

% 26

X = X + Ord ('A')

deservit. append (char (x))
return (" ". join (deservit))

Staing = "CRYPTOGRAPHY"

Key1 = "MONARCHY"

Key = key2 (Staing, key1)

enausolt = enc (Staing, key)

paint ("Ciphon Text Often encypting = ", enausolt)

paint ("Plain Text often decaypting = ", dec (enausolt, key)

CAT I SUBJECT A SECTION

((1) sorting ()

2

Dy WAP to implement OTP
Impost math, standom

ded gen ():

10 = "0123456789"

Oth = ""

Jon 9 in stange (8):

Oth = Oth + no [math. Jloon (standom standom ())]

print ("Your of digit OTP is =", gen ())

de

Caeser Cipher input Plain Text = "ATTACK FROM NORTH" Key-3 det enc (staing): ennesult = " " Jon chair in string: if chan == " ": ennesult = ennesult + chan elif chan isuppor (): enxesult = ensusult + char ((ond(chan) + 3 -65) % 26+65) else: ension of the en -97)%+97) gretour engresoft des (Assing): degresult =" " for char in storing = if char == " ": desiesult = desiesult + chan elij chan is uppon (): denesult = denesult + chan (ond (chan) - 3-65) 1/26 +65)

else:

desiesult = desiesult + chan (Cond (chan) - 3-97) % 26+97)

neturn deneralt

text = "ATTACK FROM NORTH"

parint ("Ciphen text after encouption =", enc (text))

paint ("Plain Text after decouption =", dec (ensurout))

with + However - However

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(2-1-1 last that) and I then the House

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