Name - Garima Bisht

university rollno - 1121049

Subject - Information Security and Cyber laws.

Paper code - PBC - 601

MCQ solutions :-

1> Asymmetric key encryptions with sender public key.

2> Spyware.

3> An authentication of an electronic record.

4> Cyber security.

5> Only on ASCII coded data.

6> All

7> hash value.

8> The identify of the character is changed while its position remains unchanged.

9> To make even no of letters.

10> Total length of word.

Name - Garima Bisht

University rollno - 1121049

Subject - Information Security and cyber laws.

Paper code - PBC - 601.

---

1. Three security aspects of the Google account.

Step1. Go to Security checkup to get personalized security ~~checkup~~ to get recommendations for your Google Account ; including :-

1. Add or update Account Recovery options :-
   Your recovery phone number and email address are powerful security tools.

* Block someone from using your account without your permission.
* Alert you if there is suspicious activity on your account
* Recover your account if your are locked out.

Step
2. Step verification helps prevent a hacker from getting into your account, even if they steal your password. To avoid common phising techniques associated with text message codes, choose stronger second verification step :-

* Security Keys.
* Google prompts.

Step
3. Update your Software: If your browser, operating system, or apps are out-of-date, the software might not be safe from hackers. Keep your

Software updated to help protect your account.

* Update your browser.
* Update your operating System.
* Update Android devices.
* Update Chrome books.

Make sure to create a strong, unique, password for each account.

Name - Garima

University roll no- 1121049

Subject - Information Security and Cyberlaws.

Paper code - PBC-601.

Ans 4.

Python.

```
# import library
  import math, random.

# function to generate OTP
  dof generate OTP();
# Declare a digits variable.
# which stores all digits
  digits = "0123456789"
  OTP = "          "
" Length of password can be changed "
" by changing value in range = "
for i in range = (4):
OTP + = digits [math. floor (random.
                random() * 10)]
return OTP
# Driver code
if ---- name. -- = =" __ main __":
Print (" OTP of 4 Digits : ", generate OTP())
```

output

OTP of 4 digit : 3211

Name - Garima Bisht

university rollno - 1121049

Subject - Information Security and Cyber laws.

Paper code - PBC- 601

5

```
# include <stdio.h>
# include < string.h>
    int main ()
    {
     char message = "ATTACK FROM NORTH";
     ch ; message ;
     int i, key ;
     Printf ("Enter key:");
     Scanf ("%d", & key);
     for (i= 0 ; message [i] != '\0' ; i++)
     {
      ch = message [i];
     if (ch >='a' && ch<='z')
     {
       ch = ch + key ;
     if ( ch >'z')
      {
       ch = ch -'z' +'a' - 1;
     }
```

```
    message[i] = ch;
else if (ch >= 'A' && ch <= 'Z')
    {
    ch = ch + key;
    if (ch > 'Z')
    {
     ch = ch - 'Z' + 'A' - 1;
    }

    message[i] = ch;
}
}
 Printf("encrypted message is %.s\n",
        message);
for (i=0; message[i] = '\0', i++)
    {
     ch =  message[i];
if (ch >= 'a' && ch <= 'z')
      {
       ch = ch - key;
      if (ch < 'a')
      {
       ch = ch + 'z' - 'a' + 1;
      }
      messaged[i] = ch;
```

```
}
else if (ch >= 'A' && ch <= 'Z')
  {
  ch = ch - key;
 if (ch < 'A')
  {
  ch = ch + 'Z' - 'A' + 1;
  }
  messaged[i] = ch;
   }
  }
Printf("decrypted message is %.s" messaged);
   return 0;
   }
```