Name - Juhi Sharma,

Course - BCA Sec-'C'

Roll No - 1121068

Info Security Practical (PBC-601).

MCQ

1) Assymetric key encryption 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 identity of the character is changed while its position remains unchanged.

9) to make even no. of letters.

10) Total length of word.

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Q1: Soln:. Three security aspects of the google account

Step1: Go to security checkup to get personalized security recommendation for your google account including: ~~Add~~

1. Add or Update Account Recovery Options:
Your recovery phone number & email address. are powerful security tools. This contact info can be used to help:

* Block someone from using your account within your permission.

Step 2:. Update your software if your browser, operating system, or apps are out of date. the software might not be safe from hackers.

- Update your browser make sure you are using the latest version of your browser.
- Updat Android devices.
- Update Chrome books.

3. Use unique strong password. It's risky to use the same password on multiple sites.
- Make sure to creak a strong unique password for each account.

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Q4

```
# include <stdio.h>
# include <ctype.h>
# include <string.h>
int main()
{
char plaintext[100], otp[150];
printf("Enter plain text \n");
fflush(stdin);
fgets(plaintext, sizeof(plaintext), stdin);
printf("Enter otp txt of length %d \n", strlen(plaintext));
fflush(stdin);
fgets(otp, sizeof(otp), stdin);
for(int i=0; i < strleng(plaintext); i++)
{
  if(isupper(plaintext[i]))
```

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```
{
 otp[i]= toupper(otp[i]))
 if (plaintext[i]+ otp[i] - 'A') >'Z' {plaintext[i]=
 Plaintext[i]+(otp[i]- 'A') - 26; }
 if (plaintext[i]+(otp[i] - 'A') <= 'Z')
 {
  plaintext[i]= plaintext[i]+ otp[i]- 'A');
  }
}
else if (islower(plaintext[i]))
 {
   otp[i]= tolower(otp[i]);
  if (plaintext[i]+ (otp[i] - 'a') >'z')
  {
  plaintext[i] + (otp[i] - 'a'); 26;
   }
if (plaintext[i] + otp[i]- 'a') <= 'z')
 {
  plaintxt[i]= plaintext[i]+(otp[i] - 'a'); }
 }
  else {plaintext[i] = plaintext[i]; }
}
   printf("cipher text \t %s\n", plaintext);
   return 0;
}
```

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—— * —— * ——

```
#include <stdio.h>
#include <string.h>
int main()
{
 char message = "ATTACK FROM NORTH"; ch; messageLen;
  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;
```

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```
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;
      }message[i]=ch;
```

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Info Security (PBC-601)

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