Suresh kumar
1022769

Date / /
Page No.

Ans 2)

```
#include<stdio.h>
#include<string.h>
#include<ctype.h>
main()
{ int i,j,len1,len2,numstr[100],numkey[100],h
unsigned cipher[100];
char str[100],key[100],cipher[100];
printf("Enter a string text to encrpt\n");
gets(str);
for(i=0;j=0;i<strlen(str);i++)
{
  if(str[i]!='')
  {
    str[j]=toupper(str[i]);
    j++;
  }
}
str[j]='\0';
for(i=0;i<strlen(str);i++)
{ numstr[i]=str[j]-'A'; }
printf("Enter key string of random text\n");
gets(key);
for(i=0,j=0;i<strlen(key);i++)
{ if(key[i]!='')
  {
    key[j]=toupper(key[i]);
    j++;
  }
}
```

Kumar

```
key[j]='\0';
for(i=0; i<strlen(key); i++)
 { numkey[i]=key[i]-'A'; }
 for(i=0; i<strlen(str); i++)
 { numcipher[i] = numstr[i] + numkey[i];
 }
}
for(i=0; i<strlen(str); i++)
{
 if(numcipher[i]>25)
 { numcipher[i] = numcipher[i]-26;
 }
}
}
printf("one time pad cipher text is\n");
for(i=0; i<strlen(str); i++)
 { printf("%c", (numcipher[i] + 'A'));
 }
 printf("\n\n");
 }
}
```

Kumari.

```
Enter a string text to encrypt
one time pad
Enter key string of random text
perfect
One Time Pad Cipher text is
DRVYMOXPtD

--------------------------------
Process exited after 69.02 seconds with return value 0
Press any key to continue . . .
```