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Course - B.Sc (IT)
Subject - Information Security. Subject Code -
Paper - Regular Practical Exam.

(7.)

* Program to implement Route cipher for encryption and decryption.

```
#include <stdio.h>
#include <ctype.h>
#include <string.h>

int main()
{
char plaintxt[100], ar[5][5];
char templtxt[] = "zzzzzzzzzzzzzzzzzzzz";
    printf("enter plan txt \n");
    fflush(stdin);
    fgets(plaintxt, sizeof(plaintxt), stdin);

    int k=0, k2=0;
    while(plaintxt[k]!='\0')
    {
      if(isalpha(plaintxt[k])){templtxt[k2]=plaintxt[
                                k2++;}

      k++;
    }
```

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(2.)

```
        puts(temp[x]);
        printf("\n");

    K=0;
    for(int j=0; j<5; j++)
    {
      for(int i=0; i<5; i++)
      {
        ar[i][j]=temp[K];
        K++;
      }
    }

      for(int i=0; i<5; i++){
      for(int j=0; j<5; ++j)
      {
        printf("%c", ar[i][j]);
      }
      printf("\n");

    }
```

Olympiad INDIAN TALENT

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Subject – Information Security.

(5)

Subject Code –

```
char pos[10];
char rot[10];

    printf("Key define");
    printf("\n slatting position\nTR TL BR BL");
    gets(pos);

    printf("rotation\ncw ccw\n");
    gets(rot);

switch(pos)
{
 case "TR":    break;
 case "TL":    break;
 case "BR":    break;
 case "BL":    break;
 default :     break;
  };
switch(rot)

 {
 case "CW":    break; //++
 case "CCW":   break; //--
 default :     break;
 }
*/
```

```
    return 0;
}
//.........................output
.............................//
/*
enter plan txt
dsadsadasd
dsadsadasdzzzzzzzzzzzzzzz

d a z z z
s d z z z
a a z z z
d s z z z
s d z z z


*/
```