Algorithm

Step1: start

step2: I/p r,c

step3: Display "enter matrix elements"

```
for (i=0 ; i<r ; i++)
    for (j=0 ; j< c ; j++)
    i/p a[i][j]
    end for
```

step4: print "entered matrix is"

step5 "o/p a[i][j]

```
if (j == (-1))
output "\n"
```

Step 6: for (i=0 ; i< r ; i++)

```
for (j=0 ; j<c ; j++)
  t[i][j]= a[i][j] ;
```

step7: Display "transpose of matrix"

Repeat for (i=0 ; i<c ; i++).

Repeat for (i=0 ; j< r ; j++)

```
o/p a[i][j]
if (j == r-1)
o/p "\n"
```

step8: stop.

Flowchart