

Q. Apply median Filtering on image  
below. (For center pixel)

$$f(x,y) =$$

0	2	1
1	100	2
2	0	1

$\Rightarrow$   
Step 1

Arrange values in ascending Order.

0, 0, 1, 1, 1, 2, 2, 2, 100

Step 2

Find median value. So  
median is 1.

Step 3

Replace center pixel with 1. (here  
we performed operation on 100 as  
 $f(x,y)$ )

0	2	1
1	1	2
2	0	1