## Class Test 1

## Total Marks-30

1. Find correlation co-efficient and the regression line of y on x for the following data.

*x*: *y*:

. From the following table find the correlation co-efficient				10
X	10-40	40-70	70-100	Total
у				
0-30	5	20	-	25
30-60	-	28	2	30
60-90	-	32	13	45
total	5	80	15	100

3. By the method of least square find the normal equations for straight line.

Ten participants in a contest are ranked by two judges as follows. Find rank correlation co-efficient

x: *y*:

4. Calculate median, upper, lower quartile and quartile deviation from the following 

W: 70-80 80-90 90-100 100-110 110-120 120-230 130-140 140-150 f: