

Assignment-3

Q① Ten participants in a contest are ranked by two judges as follow:

x : 1 6 5 10 3 2 4 9 7 8
 y : 6 4 9 8 1 2 3 10 5 7

Calculate the coefficient of rank correlation.

Q② Discuss Rank correlation and then derive the formula for coefficient of rank correlation.

Q③ Two students were asked to rank mobiles from seven known companies. The ranks given by them are as follows:

Mob. Companies	Samsung	Apple	Vivo	MI	Oppo	Gionee	BlackBerry
1st Student	2	1	4	3	5	7	6
2nd Student	1	3	2	4	5	6	7

Compute the coefficient of rank correlation.