

CLASS –XI
ASSIGNMENT- 9

SUBJECT – ECONOMICS
TOPIC – CORELATION ANALYSIS

Q1. What is meant by correlation?

Q2. Distinguish between univariate and bivariate distribution.

Q3. Give 2 examples of cause and effect relationship between variables.

Q4. "Two variables do not have cause and effect relation but are still found to have high degree of positive correlation." Discuss.

Q5. Distinguish between:-

- a) Positive and Negative correlation
- b) Linear and Curvilinear correlation
- c) Simple, Multiple and Partial correlation

Q6. What are different methods of finding correlation?

Q7. What is the graphic method of finding correlation? What are its merits and demerits?

Q8. Find Karl Pearson Correlation coefficient and comment on your finding for the following:-

X	Y
10	500
20	400
30	300
40	200
50	100

Q9. Discuss the relative merits of Karl Pearson and Rank Difference Methods.

Q10. Two judges gave following marks to 12 contestants

Judge 1

Judge 2

40	16
32	22
35	40
23	23
30	39
29	25
25	26
15	17
19	19
16	29
24	24
27	39

Find the correlation between them.