2y-3-17

Time Allowed: 2 Hours   _Maximum Marks: 30_

Section-A

Q.1 Compulsory question:

Calculate Karl Pearson's coefficient of correlation from following data:

X / Y	200-300	300-400	400-500	500-600	600-700
10-15	-	-	-	3	7
15-20	-	4	9	4	3
20-25	7	6	12	5	-
25-30	3	10	19	8	-

Section-B

2. What is "Correlation"? Explain the types of correlation with examples.

Or

What is business statistics? Discuss its importance in business.

3. from the following data Calculate - Arithmetic mean and median:

Profits (Rs.)	0-10	10-20	20-30	30-40	40-50	50-60
No. of Shops	12	18	27	20	17	6

Or

What do you mean by measures of central tendency? Briefly explain the properties of mean, median and mode?

4. Calculate standard deviation and mean deviation from the data given below:

Class Interval	0-5	5-10	10-15	15-20	20-25	25-30	30-35
Frequency	2	7	10	12	9	6	4

Or

What is dispersion? What is the purpose of dispersion? What are its types?