



27/3/2018

School of Management
Mid-Term Examination, 2018
IMBA- 204 Business Statistics
IMBA-2nd Semester

Time Allowed: 2 Hours

Maximum Marks: 30

Section-A

Q.1 Compulsory question:

(10)

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. Write short notes on any two:

(2.5*2=5)

(a) Importance of business statistics

(b) types of Correlation

(c) Index number and its uses

Section - C

(7.5*2=15)

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

Class Interval	0-8	8-16	16-24	24-32	32-40	40-48
Frequency	8	7	16	24	15	7

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	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	6	14	10	8	1	3	8

Or

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