

Roll No.

Total No. of Pages : 02

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B.Com. (2013 to 2017 Batch) (Sem.-2)

BUSINESS STATISTICS

Subject Code : BCOP-204

M.Code : 22011

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.**

SECTION-A

I. Answer briefly :

- (a) Define Median.
- (b) What is Harmonic Mean?
- (c) What is Kurtosis?
- (d) What is Central Tendency?
- (e) What is Negative Correlation?
- (f) What is Ratio Data?
- (g) Define Regression.
- (h) What is Coefficient of Determination?
- (i) Enlist various types of graphs which are used for presentation of data.
- (j) What is least square method?

SECTION-B

2. How will you collect, classify and present statistical data?
3. Calculate standard deviation from the following data :

Wage range (in Rs.)	Frequency
420-440	8
450-460	17
460-480	12
480-500	8
500-520	7
520-540	4
540-560	2
560-580	4
580-600	2
600-620	6

4. Discuss concept of correlation in detail.
5. Director of the company wants to find how annual sales are related to area of the store. Develop a regression equation to demonstrate this relationship. Take annual sales as dependent variable.

Annual sales in thousand (Rs.)	Area of the store (In square feet)
245	1400
312	1600
279	1700
308	1875
199	1100
219	1550
405	2350
324	2450
319	1425
255	1700

6. What are various measures of dispersion? Highlight their significance.
7. Write short notes on :
 - a) Trend measurement
 - b) Moving average method

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.