

Roll No. 

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Total No. of Questions: 07

Total No. of Pages: 02

**B.COM(Sem.2)**  
**BUSINESS STATISTICS**  
**Subject Code: BCOP-204**  
**Paper ID: B-1120**

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**

1. Write short notes on:

- a) Statistical units
- b) Raw data
- c) Parts of a table
- d) Relation between mean Median& Mode
- e) Bowley's Coefficient of Skewness
- f) Low Degree of correlation
- g) Regression Equations
- h) Harmonic mean
- i) Secular trend
- j) Seasonal variations

**SECTION B**

2. "Statistics is a method of decision making in the face of uncertainty on the basis of numerical data and calculated risks" Comment.

3. Calculate the made from the following

Marks	No. of student
Below 10 _____	4
Below 20 _____	6
Below 30 _____	24
Below 40 _____	46
Below 50 _____	67
Below 60 _____	86
Below 70 _____	96
Below 80 _____	99
Below 90 _____	100

4. From the prices x and y of shares A& B respectively given below, state which share is more stable in value

Price of share A(x)	Price of share B(y)
55	108
54	107
52	105
53	105
56	106
58	107
52	104
50	103
51	104
49	101

5. a) Define Correlation. Explain various types of correlation with suitable e.g.  
b) Draw a scatter diagram from the data and interpret the results

<b>x</b>	10	20	30	40	50	60	70	80
<b>y</b>	32	20	24	36	40	28	38	44

6. From the following data obtain two regression equations

Sales	purchases
91	71
97	75
108	69
121	97
67	70
124	91
51	39
73	61
111	80
57	47

7. What is a time series analysis and what is its main component. Give illustrations for each of them.