



Total No. of Questions: 8

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**First Year B.Com.**  
**COM-11202(b) : Business Statistics**  
**(Semester II)**

**Program:** BCom  
**Program Specific:** BCom  
**Course Type:** Major

**Credits:** 2  
**Time:** 2 Hours  
**Max. Marks:** 30

**Instructions to the candidate:**

- 1) Question 1 is compulsory
- 2) Answer any FIVE questions from Q 2 to Q 8.
- 3) Answer each question on separate page.
- 4) Use of calculator is allowed.

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**Q 1 Answer the questions in brief**

**Marks 5**

- (a) Define the term Statistics.
- (b) Define the term Population in Statistics with an example.
- (c) Explain Inclusive Classification with an example.
- (d) Mean of 10 observations is 5. If each observation is increased by 2, what will be new mean?
- (e) Explain Positive Correlation with an example.

**Solve any 5 questions from the following...**

**5 Marks each x 5 = 25**

**Q 2** With reference to the table answer the questions given below...

Marks	0-20	20-40	40-60	60-80	Above 80
No. of Students	5	10	15	10	5

- (a) State class limits of the second class
- (b) State the type of classification
- (c) How many students have got marks more than 60?
- (d) State Class mark of fourth class
- (e) Identify the open ended class.

**Q 3** Explain the concept of Sample in statistics. State advantages of sampling.

**Q 4** Calculate Arithmetic Mean for the following data...

14, 12, 18, 19, 17, 14, 15.

**Q 5** Explain various types of correlation with suitable diagram.

**Q 6** Calculate Rank Correlation Coefficient for the following data...

Rank by Judge A	3	5	2	1	4
Rank by Judge B	3	4	1	2	5

**Q 7** Calculate Median for the following data...

No. of Vehicles	0	1	2	3	4
No. of families	5	10	15	10	5

**Q 8** Calculate Mode for the following data...

Marks	0-10	10-20	20-30	30-40	40-50
No. of Students	7	15	25	13	10

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