

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BA DEGREE EXAMINATION MAY 2024  
(Third Semester)

Branch - SOCIOLOGY

**SOCIAL STATISTICS-I WITH COMPUTER APPLICATION**

Time: Three Hours

Maximum: 50 Marks

**SECTION-A (5 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

1. The method of collecting primary data is called \_\_\_\_\_.  
(i) Questionnaire method (ii) interview method  
(iii) Direct method (iv) All the above
2. The headings of the rows and columns of a table are called \_\_\_\_\_.  
(i) Captions (ii) Labels  
(iii) Subtitles (iv) None of these
3. Which measure of central tendency includes the magnitude of scores?  
(i) Mean (ii) Mode  
(iii) Median (iv) Range
4. The measurement techniques used to measure of extent of skewness in data set values are called  
(i) measure of distribution width (ii) measure of median tail  
(iii) measure of skewness (iv) measure of tail distribution.
5. Excel is a \_\_\_\_\_ program developed by Microsoft.  
(i) Spreadsheet (ii) Document  
(iii) Data management (iv) All of the above

**SECTION - B (15 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

6. (a) Describes the functions of statistics.  
OR  
(b) State any three scopes of statistics.
7. (a) Write the steps of formation of frequency distribution.  
OR  
(b) Explain the various types of diagrams.
8. (a) Explain any three types of diagrams.  
OR  
(b) Shortlist on uses of graphs.
9. (a) Explain Bowley's coefficient of skewness.  
OR  
(b) Write the uses of regression analysis.
10. (a) How to enter the Microsoft Excel.  
OR  
(b) How to work save option in the Microsoft Excel.

Cont...



**SECTION -C (30 Marks)**Answer **ALL** questions**ALL** questions carry **EQUAL** Marks

(5 x 6 = 30)

11. (a) Elaborate the limitations of statistics.

OR

- (b) Explain the secondary data with collection sources.

12. (a) Describe the rules for construction of tabulation. Also explain the types.

OR

- (b) Draw two ogive curves from the following data.

X	0-10	10-20	20-30	30-40	40-50	50-60
F	10	20	30	50	40	30

13. (a) Calculate the mean and median for the following observations.

Class Interval	0-10	10-20	20-30	30-40	40-50	50-60
Frequency	8	23	45	65	75	80

OR

- (b). Compute the standard deviation for the following data.

Class	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	8	12	17	14	9	7	4

14. (a) Explain the types of skewness.

OR

- (b) From the following data calculate the coefficient of rank correlation .

X	36	56	20	65	42	33	44	50	15	60
Y	50	35	70	25	58	75	60	45	80	38

15. (a) What are features of Microsoft excel.

OR

- (b) How to work simple correlation using excel.

Z-Z-Z

END