# PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
**BSc DEGREE EXAMINATION DECEMBER 2019**
(Second Semester)

Branch - **PSYCHOLOGY**

## PSYCHOLOGICAL STATISTICS -1

Time ; Three Hours                                                   Maximum : 75 Marks

### SECTION-A (20 Marksl
Answer **ALL** questions
**ALL** questions carry **EQUAL** marks           ( 1 0 x 2  = 20)

1. What is descriptive statistics?
2. Write a line about indirect oral interview.
3. What is quantitative data?
4. What is line graph?
5. Define median.
6. What is range?
7. What is a probability?
8. What is negative skewness?
9. What is multi stage sampling?
10. What is sampling error?

### SECTION - B (25 Marks)
Answer **ALL** Questions
**ALL** Questions Carry **EQUAL** Marks ( 5 x 5  = 25)

11   a. Discuss about questionnaire method.
OR
 - b. Explain the advantages of personal interview.

12   a. Discuss about the importance of tabulation of data.
OR
   b. Justify the need of rules while making a graph.

13   a. Explain the various measures of average.
OR
   b. Evaluate the differences between mean deviation and standard deviation.

14   a. Explain normal distribution.
OR
   b. Elaborate on the types of skewness and the importance of it.

15   a. Differentiate between census and sample.
OR
   b. Discuss about the non sampling error,

### SECTION - C (30 Marks)
Answer any **THREE** Questions
**ALL** Questions Carry **EQUAL** Marks ( 3 x 1 0  = 30)

16. Compare the pros and cons of various methods under secondary data collection.

17. Draw a pie diagram for the following data and explain the advantages of it.

| Product clients | No. |
|---|---|
| Corporate customers | 11 |
| Government clients | 15 |
| Wholesale dealers | 21 |
| Retail sales | 53 |

18. Calculate the mean, standard deviation and skewness for the following data and draw conclusion.

| Student No. | Physics | Biology | Tamil |
|---|---|---|---|
| 1 | 77 | 56 | 58 |
| 2 | 67 | 63 | 69 |
| 3 | 79 | 57 | 78 |
| 4 | 88 | 69 | 70 |
| 5 | 72 | 58 | 80 |

19. Justify the importance of probability in understanding psychology .

20. Evaluate the types random sampling methods.

Z-Z-Z                    END