

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BSc DEGREE EXAMINATION MAY 2019  
(Second Semester)

Branch - PSYCHOLOGY

**PSYCHOLOGICAL STATISTICS -1**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 Define the term Statistics and mention the applications of Statistics.
- 2 Distinguish between: Descriptive Statistics and Inferential statistics.
- 3 What is qualitative and quantitative data known as?
- 4 Outline the limitations of depicting the raw data as diagrams.
- 5 Write down the formula to calculate combined mean.
- 6 What is Variance? Mention the need to understand it for data interpretation.
- 7 Write the meaning of the terms: Axioms and Events in Probability.
- 8 What is "Z" score? Mention its applications.
- 9 Give an outline about the process of conduction of Census.
- 10 Mention the control measure to eliminate Sampling and Non-Sampling errors.

**SECTION - B (25 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a Define the term Variable and outline the various kinds of variables with example.  
OR  
b Briefly discuss the methods used to collect Primary data in Psychological research.
- 12 a What is Tabulation known as? Outline the various parts and types of Tables.  
OR  
b Give an illustration for the method of forming frequency distribution by generating your own data.
- 13 a Highlight the merits and demerits of the measures of Average.  
OR  
b Compute Quartile deviation for the data presented in the Question No. 18 and mention its applications.
- 14 a Write about the uniqueness of central limit theorems.  
OR  
b Explain the procedure of normalizing skewed data with an example.
- 15 a What are the requisites of Good sample? Briefly explain.  
OR  
b Differentiate Purposive sampling and incidental sampling with an example.

**SECTION - C (30 Marks)**

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 Bring out the origin and growth of the field of Statistics.
- 17 Explain the general rules for construction diagrams and graphs with and illustration.
- 18 Compute SD for the following data.

Daily Income (in Rs.)	100-149	150-199	200-249	250-299	300-349	350-399
F	5	9	20	18	6	3

- 19 Specify the characteristic, properties of normal distribution and mention the applications of Normal Curve.