



UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Sixth Semester – 2019

Paper: Social Statistics

Course Code: SOC-309 Part – I (Compulsory)

Time: 15 Min. Marks: 10

Roll No. in Fig.

Roll No. in Words.

Signature of Supdt.:

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the correct option.

(10x1=10)

1. In statistics out of 100, marks of 21 students in final exams are as 90, 95, 95, 94, 90, 85, 84, 83, 85, 81, 92, 93, 82, 78, 79, 81, 80, 82, 85, 76, 85 then mode of data is
 - a. 85
 - b. 95
 - c. 90
 - d. 81
2. Branches of statistics includes
 - a. applied statistics
 - b. mathematical statistics
 - c. industry statistics
 - d. both a and b
3. Procedures of descriptive statistics and control charts which are used to improve process are classified as
 - a. statistical tools
 - b. parallel tools
 - c. serial tools
 - d. behavioral tools
4. Sample statistics are denoted by the
 - a. upper case Greek letter
 - b. associated roman alphabets
 - c. roman letters
 - d. lower case Greek letter

P.T.O.

5. Which of the following is not an example of a discrete probability distribution?
 - a. The sale or purchase price of a house
 - b. The number of bedrooms in a house
 - c. The number of bathrooms in a house
 - d. Whether or not a home has a swimming pool in it
6. The collection of one or more outcomes from an experiment is called
 - a. Probability
 - b. Event
 - c. Random Value
 - d. Z-value
7. If you roll a pair of dice, what is the probability that (at least) one of the dice is a 4 or the sum of the dice is 7?
 - a. $\frac{4}{36}$
 - b. $\frac{13}{36}$
 - c. $\frac{21}{36}$
 - d. $\frac{15}{36}$
8. To create a new data file in SPSS Statistics, you select:
 - a. Open a New Data File
 - b. Type in Data
 - c. New Dataset
 - d. New Data File
9. What menu item do you select to find the "Descriptive Statistics..." selection?
 - a. Frequencies
 - b. Graphs
 - c. Analyze
 - d. Utilities
10. The name of the tool in SPSS Statistics that creates a frequency polygon is called:
 - a. Graph Builder
 - b. Figure Builder
 - c. Chart Builder
 - d. Graph Builder



ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Give Short Answers.

(5x4=20)

1. Chi Square Test
2. Rules of Probability
3. Area Under the normal curve
4. Variance
5. Inferential Statistics

Q.3. Give Long Answers.

(3x10=30)

1. What are nominal, ordinal and Interval scales? Explain with examples.
2. Define Measures of Dispersion. Explain its types with examples.
3. What is Empirical relationship between Mean, Median, and Mode? Explain with graphs.