MASTER OF SOCIAL WORK
Third Semester
STATISTICAL ANALYSIS AND COMPUTER APPLICATION
IN SOCIAL WORK
(MSW - 13)

Duration: 1.5 Hrs.   **Full Marks: 35**

Part-A (Objective)= 10
Part-B (Descriptive)= 25

(PART-B: Descriptive)

Duration: 1 hrs. 20 mins.   **Marks: 25**

I. Answer any *five* of the following questions: **5×5=25**

1. What is the difference between primary data and secondary data?

2. Find mean and median of the following distribution.

C. I. :	59 – 61	61 – 63	63 – 65	65 – 67	67 – 69
Frequency:	4	30	45	15	6

3. Find CV of the following distribution.

Marks :	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60
No of Students:	3	9	13	19	6

4. Find the coefficient of correlation between X and Y.

X :	2	3	4	5	6	7	8
Y :	4	5	6	8	9	7	10

5. Distinguish between correlation and regression.

6. Write at least five features of Normal Curve.

7. The following table gives the classification of 100 workers according to sex and the nature of work. Test whether the nature of work is independent of the sex and the nature of work.

	Skilled	Unskilled
Male	40	20
Female	10	30

(Given $\chi^2_{0.05,1} = 3.84$)

8. What is SPSS? Write in brief its importance in Social Work.

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Duration: 10 minutes   **Marks – 10**

(PART A - Objective Type)

I. Choose the correct answer: **1×10=10**

1. State whether the following is statistical data or not.
   "Weight of Mr. X is 62 kgs"

2. Fill in the blank:
   Data collected for the first time are called _____.

3. State whether the following statement is true or false:
   "The class limits and class boundaries of an exclusive class are the same"

4. The ogives of less than type and more than type distributions intersect at _____.
   (a) mean   (b) median   (c) mode   (d) none

5. Extreme values have no effect on
   (a) AM   (b) GM   (c) HM   (d) median

6. Which of the following is a unit less measure of dispersion?
   (a) Standard deviation   (b) Mean deviation
   (c) Coefficient of variation   (d) Range

7. If the correlation between two variables X and Y is negative, then the regression coefficient of X on Y is
   (a) positive   (b) negative   (c) zero   (d) not certain

8. Chi-square (χ^2) test is used
   (a) To test the goodness of fit.
   (b) To test the independence of attributes.
   (c) Both (a) and (b).
   (d) None of the above.

9. Hypothesis testing is related to
   (a) Z – test   (b) t – test
   (c) χ^2 – test   (d) all

10.SPSS is the abbreviation of
 (a) Statistical Programming for the Social Sciences.
 (b) Statistical Package for the Social Sciences.
 (c) Statistical Package for the Social Service.
 (d) Statistical Programming for the Social Sciences.

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