Subject: SOC 473 – Basic Statistics for Sociology Research   FM: 60

Level/program: Bachelor (B.A)   Semester: VII   Time: 3 Hours   PM: 30

Candidates are required to answer the questions in their own words as far as practicable.

Attempt ALL of the following Very Short Answer Questions.   10x1=10

1. Inscribe any two importance's of statistics in sociology.
2. Mention two differences between data and variable.
3. Engrave the types of frequency.
4. Write down levels of measurement.
5. Show the differences between group and ungroup data.
6. Write the formula to calculate chi-square test.
7. Differentiate between cross sectional and time series data. (Any Two)
8. Calculate mean

Monthly Saving	240	300	450	600	1000
No. of Families	25	10	20	24	15

9. Find coefficient of range:

Income	20-40	40-80	80-100	100-120
No. of Workers	5	3	10	8

10. "Information collected from the observation of measurement from which an attempt is made to develop generalizations or conclusion is called data" Said by.

Attempt any THREE of the Following Short Questions.   3x8 =24

11. What are the census method and sample method of data collection? Compare their merits and demerits.
12. What is dispersion? Explain the different methods of to calculate dispersion. Calculate the Median from the following data:

Monthly Incomes	100-200	200-300	300-400	400-500	500-600	600-700	700-800	800-900
No. of Family	5	5	15	10	5	4	3	3

13. What is the measure of central tendency? What are its requisites of a measure? Calculate the mode from following data:

Weight	30-40	40-50	50-60	60-70	70-80	80-90
Frequency	18	37	45	27	15	8

14. Define Chi-square statistics. What are the assumptions of it?

Attempt any TWO of the Following Long Questions.   2x13 =26

15. What is calculable method in social science? Discuss the scope and importance of computable in sociology.
16. Define qualitative and quantitative data? Calculate the mean, median and mode from following distribution by taken 13 as class interval:

58	36	33	36	52	30	36	41	37	43	32	56
18	42	68	32	58	50	41	41	48	13	38	60
45	56	63	15	70	34	3	52	39	18	18	52
41	26	40	20	50	37	52	41	16	16	46	26
6	53	41	61	28	52	38	20	36	51	38	70
40	24	99	12	55	27	92	81	26	86	16	36

17. What are the advantages and disadvantages of using standard deviation compared to variance as a measure of dispersion? Calculate the Quartile deviation from following data:

Income (In Rs.)	< 15	< 30	< 45	< 60	< 75	< 90	< 105	< 120
No. of Household	10	30	40	55	25	20	10	5

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