Subject: SOCIO 483-Survey Data Analysis   FM:60
Level/program: Bachelor (B.A)   Semester: VIII   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. Define census.
2. Define ratio?
3. What is nominal data analysis.
4. What is bar diagram?
5. Write a short note goodness of fit Chi-Square.
6. Comparing between calculated value and tabulated value of test.
7. Calculate the mean from the given data: Marks: 40, 55, 65, 80, 50, 50, 60, 65, 45, 60, 50,50.
8. Introduce the ordinal data analysis.
9. Write a short note on the interval of data.
10. On which conditions do you use Chi-Square test?

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

11. What do you mean by histogram and graph? What are the differences between histogram, and graph?

12. Define Pie-diagram? Draw Pie-diagram from the following given data:

Types of Expenditure:	Meal	Rent	Cloth	Education	Other
Expenditure (In Rs.)	200	100	150	75	125

13. Define median. Find the value of "q" if its mean is 27.

Marks:	0 -10	10 - 20	20 - 30	30 - 40	40 - 50
Frequency:	5	8	q	16	6

14. What is ratio scale? What do you mean by Z, t and f test? Elaborate the utility of each test.

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

15. What is measurement scale? How many types of measurement scales? Describe it.

16. An analysis of daily salaries paid to the workers in two firms P and Q belonging to the same industry gives the following results:

Firms	P	Q
No. of workers:	500	600
Average daily salary Rs.	172.00	188.50
Variance of distribution of wage:	68	78

 a. Which are firm P or Q having a large wages bill?
 b. Which firms is greater variability in individual wages?

17. A manufacturer of TV sets was trying to find out what variable influenced the purchased of a TV set. A sample of 500 households was selected and the information obtained is classified as shown below:

	Have TV set	Do not have TV set
Low income group	0	225
Middle income group	45	105
High income group	85	25

Is there the evidence from the above data of a relation between ownership of TV sets and level of income? At 5% level for two degree of freedom, the chi-square of tabulated value is 5.991.