

Bachelor of Rural Studies (BRS) (Honours) Examination, 2019
Semester-II
Rural Studies
Paper - 10
(Basic Statistics for Rural Studies-I)

(For Back Candidates)

Time: Three Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Group-A

Answer *any four* questions.

4×2.5=10

1. What are “primary data”?
2. Define “Secondary Data”.
3. Explain the various types of classification adopted in statistics.
4. Find the mode of 5, 6, 7, 9, 3, 2, 5, 7, 5, 3, 9.
5. Distinguish between absolute and relative measure of dispersion.

Group-B

Answer *any five* questions.

5×6=30

6. Calculate the coefficient of correlation from the following data:

x	32	38	48	43	40	22	41	69	35	64
y	30	31	38	43	33	11	27	76	40	59

7. Find the equation of the line of regression of x on y for the following data:

x	1.0	1.5	2.0	2.5	3.0	3.0	3.5	4.0
y	5.3	5.7	6.3	7.2	8.2	8.2	8.7	8.4

8. Compute the standard deviation from the following distribution of marks obtained by 90 students:

Marks	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99
No. of students	5	12	15	20	18	10	6	4

9. Calculate the quartile deviation from the following:

Class Interval	10-15	15-20	20-25	30-40	40-50	50-60	60-70
Frequency	4	12	16	10	8	6	4

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10. Compute the mean, median and mode of the following distribution:

Monthly Income (Rs)	0-75	75-150	150-225	225-300	300-375	375-450
Frequency	15	200	250	225	10	5

11. Find the mean and mode from the following:

Year under	10	20	30	40	50	60
Number of persons	15	32	51	78	97	109
