

SET A

Unique Paper Code: 12111102

Name of the Paper: Research Methods and Data Processing in Psychology-I

Name of the Course: BA (Hons.) Applied Psychology (LOCF)

Semester: I

Duration: 3 hours

Maximum Marks: 75 Marks

Instructions for Candidates

*Answers may be written either in English or in Hindi; but the same medium should be used throughout the paper. Attempt **FOUR** questions. All questions have equal marks i.e. **18.75**.*

1. What do you understand by Central Tendency? Calculate Mean and Standard Deviation of the following data set

Class Interval	Frequency
15-20	8
20-25	10
25-30	12
30-35	13
35-40	9
30-45	6

Q2. (a) Elaborate in detail about research problem and what things should keep in mind during selection and formation of research problem discuss in detail with relevant example.

(b) Write any two tools of data collection by mentioning their advantages and limitations

Q3. In a research work researcher wants to established association between two variables “X” and “Y” for that data were collected as follows

X	10	12	15	12	14	13	15	12	13
Y	4	6	8	5	7	5	7	7	5

Calculate the coefficient of correlations by using “Product Moment Method” and discuss the results weather association is weak/strong and its direction of relation.

Q4 (a) What do you understand by Standard Score explain with suitable example

(b) Mohan scored 80 in Psychology, while the class average was 70 with standard deviation of 8. Rohan scored 63 in his class, while class average was 55, with

standard deviation 5, who scored better with respect to their class.
(9+ 9.75)

Q5 (a) Discuss in detail about Normal Probability Curve and its characteristics with graphical representation.

(b) Assuming the Normality of the distribution, a test has a mean score of 125 and an SD of 21. Compute the score that cuts the lower 40% of the cases and the score limits of middle 74%.

Q6. What are the characteristics of a good test? Explain any two methods of establishing reliability.