

Set A

Unique Paper Code: 12111102

Name of the Paper: C2: Research Methodology and Data Processing in Psychology - I

Name of the Course: BA (Hons) Applied Psychology

Semester: I

Duration: 3 hours

Maximum Marks: 75

Instructions for the students:

This paper consists of two Parts.

Attempt a total of *four* questions: *Two* questions from **Part A** and *two* questions from **Part**

B. All questions carry equal marks, i.e., **18.75**

Part A (any two questions)

1. Taking a suitable example, discuss in detail the steps involved in scientific research.

(18.75)

2. Give a detailed account of Observation method as a tool for data collection and its subtypes with suitable examples.

(18.75)

3. Discuss the different types of research in psychology, cite their utility and the ethics involved in their conduction.

(18.75)

Part B (any two questions)

4. (a) Discuss various measures of central tendency and variability?

(b) Given $\bar{X}=100$, $S_x=20$ as the obtained statistic for a normally distributed variable on a sample size of 500. Find out: the cut-off scores for the middle 50% distribution and how many scores fall below the score of 115 out of 500.

(8.75, 10)

5. (a) What are the properties of Normal probability Curve, discuss in detail.

(b) Calculate rank order **OR** Pearson's product moment correlation for the given data, comment on the obtained results.

(8.75, 10)

Students	A	B	C	D	E	F	G	H	I	J
Marks in Hindi	12	15	24	20	08	15	20	20	11	26
Marks in maths	21	25	3	24	16	18	25	16	16	38

6. (a) Discuss the factors affecting correlation.
 (b) Calculate mean and standard deviation for the given data:

Class interval	f
195- 199	1
190- 194	2
185-189	4
180- 184	5
175- 179	8
170- 174	10
165- 169	6
160- 164	4
155- 159	4
150- 154	2
145- 149	3
140- 144	1

(8.75, 10)