This question paper contains **4** printed pages]

Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐

S. No. of Question Paper : **3638**

Unique Paper Code : **12111102**   FC

Name of the Paper : **Research Methodology and Data Processing in Psychology–I**

Name of the Course : **B.A. (Hons.) Applied Psychology**

Semester : **I**

Duration : **3 Hours**   Maximum Marks : **75**

(Write your Roll No. on the top immediately on receipt of this question paper.)

The paper comprises of three Parts. Attempt any *two* questions from Part A.

Attempt any *two* questions from Part B. Part C is compulsory.

Part A

1. Critically examine experimental method as a technique of data collection.   15

2. What is research ? What are the different types of research ? Give examples.   3+12

3. What do you understand by reliability of a test ? What are its types ?   5+10

4. Explain observation method as a tool of data collection. Differentiate between participant and

    non-participant method of observation.   7+8

P.T.O.

Part B

5.   Calculate median and quartile for the following scores :   7.5+7.5

CI	f
55—59	1
50—54	1
45—49	3
40—44	4
35—39	12
30—34	7
25—29	6
20—24	6
15—19	8
10—14	2
	50

6.   Describe the nature and properties of Normal probability curve.   8

If scores are normally distributed with a mean of 500, and a standard deviation of 100, what proportion of the scores fall ?   7

(a)   Above 550

(b)   Below 420.

7. What do you understand by the term correlation ? Discuss its properites.   7

Compute the Pearson's correlation coefficient from the following data and interpret your results :   8

Number of hours slept	Happy Mood
7	4
5	2
8	7
6	2
6	3
10	6

8. Calculate the mean and standard deviation for the following distribution.   7.5+7.5

CI	f
20—24	2
15—19	3
10—14	7
5—9	5
0—4	3

Part C

9.   Write short notes on any *three* :   5, 5, 5

   (*a*)   Derived Score

   (*b*)   Norms

   (*c*)   Characteristics of Problems in research

   (*d*)   Validity of a test

   (*e*)   Levels of measurement.