Sl. No. of Ques. Paper : 7912   GC

Unique Paper Code   : 12111102

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

Name of 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.)

This paper consists of three Parts. Attempt any two questions from Part A.
Attempt any two questions from Part B. Part C is compulsory.

PART A

1. Citing relevant examples, discuss the process of research with special reference to problems and hypothesis.   15

2. Critically evaluate survey method of research.   15

3. Define the concept of validity. Discuss the various types of validity.   5+10

4. Discuss various types of research. Describe different levels of measurement used in research.   7+8

PART B

5. Discuss the characteristics of median and mode.   5

   Calculate the median and standard deviation of the following distribution: 10

CI	f
40–44	1
45–49	3
50–54	2
55–59	4
60–64	4
65–69	6
70–74	10
75–79	8
80–84	5

6. Describe any *two* types of derived scores.   5

The Scholastic Aptitude Test (SAT) is standardized to be normally distributed with a mean of 500 and standard deviation of 100. What percentage of SAT scores falls:

    (a)   Between 300 and 700

    (b)   Above 600.   5+5

7. Discuss the factors affecting Pearson product moment correlation.   7

Calculate the correlation between the following: 8

Happiness	Inner Peace
24	32
26	38
21	18
16	34
18	40
28	28
15	24
20	40

8. Calculate the mean and quartile deviation for the following data: 7½+7½

CI	f
25–29	2
20–24	5
15–19	6
10–14	3
05–09	4

PART C

9. Write short notes on any *three*:

    (a)   Characteristics of Normal Probability Curve

    (b)   Properties of measures of central tendency

    (c)   Case study method

    (d)   Ex-post-facto research

    (e)   Split half and test-retest method of reliability.   5+5+5