

BA PSYCHOLOGY
First Semester
Name of the Paper: Research Methodology & Statistics
Paper Code: BPY-03

Duration: 3Hrs.

Full Marks: 70

(PART-B: Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

1. Answer any four from the following:

5×4=20

- a) Differentiate between categorical & continuous variables.
- b) State the characteristics of scientific method in psychological research.
- c) State the merits of graphical representations of data.
- d) Discuss different types of measures of central tendency
- e) Calculate mean from the data given below.

40, 48, 52, 44, 54, 50, 42, 46

2. Answer any three from the following:

10×3=30

- a) Define Psychological Research? State its nature.
- b) What do you mean by measurement? Discuss the different levels of measurement.
- c) What do you mean by validity of a test? State the factors which affect the validity of a test.
- d) Give the logical meaning of Reliability. Discuss any one methods of estimating reliability of test scores.

e) Calculate Mean, Median and Mode from the data given below:

<u>C-I</u>	<u>f</u>
35-39	5
30-34	9
25-29	10
20-24	12
15-19	8
10-14	4
5-9	2

N=50

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PART A: Objective

Duration: 20 minutes

Marks – 20

1. Choose the correct answer:

1×5=5

- a) Research is always directed towards solution of a problem. True/ False
- b) Interval Scale is not a level of measurement. True/ False
- c) Norms is a characteristic of a good test. True/ False
- d) Anxiety can't be considered as a variable. True/ False
- e) Frequencies which occur repeatedly in a test score are called Mode. True/False

2. Fill in the blanks with the correct alternatives:

1×5=5

- a) Intelligence is considered as a _____ variable (Independent/ Dependent)
- b) Consistency of test scores is called as _____ (Validity/ Reliability)
- c) The average performance of a test is _____ (Norms/ Usability)
- d) Mean from ungrouped data can be calculated by _____ ($\Sigma fx/N$ or $\Sigma x/N$)
- e) Content validity is termed as _____ validity. (Intrinsic/ Construct)

3. Choose the correct alternatives:

1×5=5

- a) Psychological Research are of _____ types
 - i) One
 - ii) two
 - iii) three
 - iv) four.
- b) Which one is not involved in Psychological Test Construction?
 - i) Validity
 - ii) Reliability
 - iii) Personality
 - iv) Norm

c) Which statistical symbol indicates “summation of”?

- i) N
- ii) \pm
- iii) Σ
- iv) v.

d) Which one is the lowest level of measurement?

- i) Nominal
- ii) Ordinal
- iii) Interval
- iv) Ratio

e) Which one is called the measure of central tendency?

- i) Average Deviation
- ii) Correlation
- iii) Regression
- iv) Mean

4. Match the following:

1×5=5

A

- i. Research
- ii. Mean
- iii. Validity
- iv. Reliability
- v. Nominal Scale

B

- i. Average
- ii. Truthfulness
- iii. Levels of measurement
- iv. A systematic Approach
- v. Consistency of test scores
- vi. Norms

Ans: _____

