

**BA PSYCHOLOGY  
FIFTH SEMESTER  
RESEARCH METHODOLOGY & STATISTICS-I  
BPY – 502**

**SET  
A**

**[USE OMR SHEET FOR OBJECTIVE PART]**

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

**(Objective)**

Marks: 20

*Choose the correct answer from the following:*

*1 × 20 = 20*

- Not true about research
  - Structured
  - Systematic process
  - Based on assumption
  - Directed towards discovery
- Who established the first psychological lab to study the internal process?
  - John Watson
  - William James
  - Wilhelm Wundt
  - Sigmund Freud
- Which is not the characteristic of research?
  - Objective
  - Empirical
  - Partial
  - Logical analysis
- Research can lead to the development of
  - Theories
  - Principles
  - Generalization
  - All the above
- Which style of referencing is used in psychology and behavioural studies?
  - APA
  - MLA
  - Chicago
  - Oxford
- It is essential for scholars and researchers to review the related literature because
  - It provides information about the authors of the various research work.
  - It reduces the work of researcher, as he/she can duplicate the same work.
  - Review of related literature is just a step in the process of research.
  - It provides idea about the research problem and research methodology.
- Speeches is a
  - Primary source of review
  - Secondary source of review
  - Tertiary source of review
  - None of the above
- Which is not a probability Sampling technique?
  - Snow ball
  - Cluster
  - Lottery
  - Area
- \_\_\_\_\_ is a possible explanation for a cause and effect of a given situation that can be tested.
  - Phenomena
  - Hypothesis
  - Experiment
  - Formula

10. When samples in a study are selected on the basis of expert choice, the research basically adopted \_\_\_\_\_ sampling technique.
- Probability
  - Non-probability
  - Casually
  - Technically
11. Point out the range of the following scores belonging to a continuous series: 14, 22, 46, 72 and 85
- 71
  - 17
  - 65
  - 16
12. Statistics in research refers to
- Quality information
  - Numerical facts
  - Archived information
  - All of these
13. \_\_\_\_\_ are obtained by adding successively, starting from the bottom of the of the given frequency table, the individual frequencies
- Expected frequency
  - Observed frequency
  - Cumulative frequency
  - Optimum frequency
14. Indicate the size of the class interval for the following distribution:
- 5-8  
9-12  
13-16  
17-20  
21-24
- 1
  - 2
  - 3
  - 4
15. Calculate the mode for the following series: 25, 29, 24, 25, 27, 25, 28, 25, 29, 22
- 25
  - 24
  - 29
  - 22
16. \_\_\_\_\_ is not affected by the extreme scores in the series.
- Mean
  - Median
  - Mode
  - Both mean and mode
17. \_\_\_\_\_ can be represented graphically
- Mean
  - SD
  - Median
  - AD
18. Mode is a very \_\_\_\_\_ measure of central tendency.
- Accurate
  - Approximate
  - Representative
  - Quick
19. \_\_\_\_\_ helps us to compute further statistics from the measure of dispersion
- SD
  - AD
  - QD
  - R
20. When the distribution is skewed containing a few very extreme scores, the measure of dispersion used is
- AD
  - QD
  - R
  - SD

**( Descriptive )**

Time : 2 Hr. 30 Mins.

Marks : 50

[ Answer question no.1 & any four (4) from the rest ]

1. What is research in Psychology? Differentiate between fundamental and applied research. 3+7=10
2. Write in brief: (*any one*) 10
  - a) Explain the role of related literature in psychology research.
  - b) What are the different sources of review of literature?
3. Explain observation as a tool to collect data in psychology research. 10
4. What do you mean by the term Statistics? Enumerate the importance of Statistics in psychology. 4+6=10
5. Compute the mean and median for the following frequency distribution: 5+5=10

CI	f
90-94	1
85-89	4
80-84	2
75-79	8
70-74	9
65-69	14
60-64	6
55-59	6
50-54	4
45-49	3
40-44	3

6. When do we use the measure of Average deviation? Calculate Quartile deviation for the following frequency distribution: 4+6=10

CI	f
80-84	4
85-89	4
90-94	3
95-99	0
100-104	3
105-109	3
110-114	1

7. Discuss the utility of the Arithmetic Mean. Calculate Standard Deviation for the following frequency distribution: 4+6=10

CI	f
125-129	1
120-124	5
115-119	7
110-114	6
105-109	9
100-104	9
95-99	6
90-94	4
85-89	1
80-84	1

8. Explain the types of Sampling method. 10

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