

Swami Vivekananda Yoga Anusandhana Samsthana (S-VYASA)
A Deemed to be University established under Section 3 of the UGC Act, 1956

Program: BSc (YT)

Subject: Research Methodology & Statistics

Sem Period: Aug, 2022 to Dec, 2022

Date: 29.11.2022

Examination Mode: Back Paper

Semester: 5th Semester

Subject Code: BSYTT 503

Batch: August, 2019

Time: 09.30 am to 12.30 pm

Max. Marks: 100

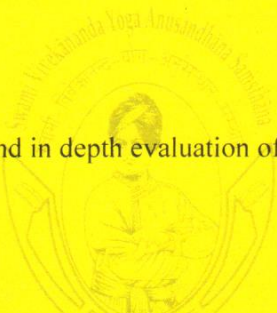
General Instructions:

1. Read all the questions carefully and then start writing
2. Do not write anything on the question paper
3. Write your registration number on the rectangular space provided here

Reg No:

Multiple Choice Question (Attempt All) – 1Mark for each Question 10 *01 =10 Marks

1. When a test actually measures what it purports to measure, we say that it has good
 - A. Reliability.
 - B. Validity.
 - C. Variance.
 - D. Correlation
2. A representative sample is essential in
 - A. Survey Method
 - B. Experimental Method
 - C. Case Study
 - D. Clinical Method
3. Which of the following is an example of a non-random sampling method?
 - A. Convenience Sampling
 - B. Stratified random Sampling
 - C. Simple random Sampling
 - D. Cluster Sampling
4. Which of the following is not a method of data collection
 - A. Questionnaires
 - B. Interviews
 - C. Experiments
 - D. Observations
5. The data type procured using Likert Scale is
 - A. Nominal
 - B. Ordinal
 - C. Ratio
 - D. Interval

6. The full form of APA reference style is
- A. American Psychological Association
 - B. American Physical Association
 - C. American Psychological Assembly
 - D. Accessible Psychological Association
7.research must be organised and undergo planning.
- A. All of the following
 - B. Historical
 - C. Artistic
 - D. Scientific
8. A correlational study determines whether or not two are correlated.
- A. Designs
 - B. Observations
 - C. Variables
 - D. Data Sets
9. A summary of statistics that represents the centre point or value of data set is known as
- A. Mean
 - B. Median
 - C. Mode
 - D. All the above
10. A literature review is a critical and in depth evaluation of previous research, which includes
- A. News Paper Articles
 - B. Archives
 - C. Previous Research
 - D. All the above
- 

Short Notes (Attempt any Ten) – 2 Marks for each Question 10 *2 =20 Marks

- 11. What is Research design?
- 12. Mention various online and offline sources of scientific literature.
- 13. What is plagiarism?
- 14. What is informed consent?
- 15. What is cluster sampling?
- 16. What is Internal validity?
- 17. What is reliability and its types?
- 18. What is Skewness?
- 19. List qualities of a good researcher.
- 20. What is Hypothesis.
- 21. Write the full form of IJOY, DOI.

Short Essay: (Attempt any Six) – 5 Marks for each Question 06* 5 = 30 Marks

22. Write a short note on Research Ethics.
23. Explain levels of measurement with examples.
24. Explain Reliability in detail.
25. What are measures of dispersion? Calculate the values for measures of dispersion of 80,80,72,87,75,75,70.
26. What is Descriptive statistics, Explain in detail.
27. Explain Normal distribution.
28. Explain measures of central tendency – mean, median and mode

Long Essay: (Attempt any Four) – 10 Marks for each Question 4* 10 =40 Marks

29. What is the importance of sampling in research? Explain different types of sampling methods.
30. Explain various research designs.
31. What is frequency of a data? Plot a frequency graph for the following data
 $X = \{6, 4, 8, 6, 4, 8, 7, 8, 4, 5, 6, 6, 3, 7, 9\}$.
32. Explain in details about reporting the Research (Order of Dissertation).
33. Explain different types of research viz. Basic Research Vs Applied Research; Quantitative Research Vs Qualitative Research

