



Roll No.
Signature of Invigilator

Paper Code
BS-CT 603

University of Patanjali
Examination May–June-2023
B.Sc. Yoga Science, Semester-VI
Yoga Science ; Paper : Third
Research Methodology & Statistics

Time: 3 Hours

Max. Marks: 70

Note: This paper is of seventy (70) marks divided into two (02) sections A, and B. Attempt the questions of each sections according to the detailed instructions given therein.

Section - A

(Long Answer Type Questions)

Note: Section 'A' contains five (05) long-answer-type questions of fifteen (15) marks each. Attempt any **three** questions. **(3×15=45)**

1. Explain Reporting Research with all key points involved in it.
2. What is research methodology and its goal? Explain it with an example for applied research
3. Define variable, its type and uses in data collection method.
4. What are the factors involved in designing a good scientific research?
5. Explain clearly t-test and its applications.

Section - B

(Short Answer Type Questions)

Note: Section 'B' contains Seven (07) short-answer-type questions of five (05) marks each. Attempt any **five** (05) questions. **(5×5=25)**

6. Define cross 'sectional studies' and Randomized Controlled trials.
7. Explain 'Ethics of Research' for researches.
8. Define 'ratio scale' of measurement with examples.
9. What are different source of information for data collection.
10. Define skewness and kurtosis.
11. Define frequency distribution.
12. Define standard deviation.