

ADVANCED STATISTICS AND RESEARCH METHODS

Time: 3 hrs

Max marks : 80

- Answer all questions.

Essays

(5x16=80)

1. What are the methods of research in behavioural sciences. Explain the differences between a single subject design and a group design. (16)
2. What are the foundations and assumptions while using variance. Explain analysis of variance. (6+10)
3. Explain the difference between parametric and non-parametric statistics. Use one example for each. (16)
4. The marks obtained by 10 students in a class are as follows:
45, 63, 72, 34, 59, 82, 48, 94, 76, 52.
Calculate the mean, median and standard deviation. Explain the advantages and disadvantages of each measure of central tendency. (7 + 9)
- s. What are the factors to be looked into, in a good research design. Explain how variance can be controlled. (6+10)
