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MASLP 453

**Second Semester M.A.S.L.P. Examination, September/October 2022
ADVANCED STATISTICS AND RESEARCH METHODS**

Time : 3 Hours

Max. Marks : 80

Instruction : Answer any five questions. All carry equal marks.

(16×5=80)

1. Define statistics. Discuss the importance of statistical methods in the analysis of research. **16**
 2. Discuss the merits and demerits of different types of research. **16**
 3. With suitable illustration explain the single subject research design. **16**
 4. Explain the different methods of sampling with examples. **16**
 5. Write short notes on : **(8×2=16)**
 - a) Skewness and Kurtosis
 - b) Reliability and Validity.
 6. a) What are the good characteristics of a research design ? **8**
b) Explain the different types of Group design. **8**
 7. a) Explain clinical and applied research. **8**
b) Explain hypothesis with examples. **8**
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