

[LK 801]

MAY 2017

Sub. Code:9101

**M.O.T. DEGREE EXAMINATION**  
**(Common to all Branches)**  
**FIRST YEAR**  
**PAPER I – RESEARCH METHODOLOGY**

*Q.P. Code : 419101*

**Time : Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Define Research. List the characteristics of true experimental designs and explain the various experimental designs with example.
2. Describe the ethical consideration in conducting Behavioral Research.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Scales of measurement.
2. Normal distribution.
3. “t” test.
4. Compare the difference between correlation and regression.
5. Pie diagram.
6. Control of extraneous variables.
7. Advantages and disadvantages of survey research.
8. Improvement of reliability.
9. Forced choice items and scales.
10. Rating scales and its weakness.

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