# Instructional Effects on B. Ed. Student's Achievement in Relation to Particular Variables

DR. JAYANTIBHAI I. PATEL
Associate Professor,
Swami Vivekanand Sarvodaya Education College,
Nagalpur, Mehsana, Gujarat (India)

**Abstract:**
*In America the Department of Education's National Commission on Teaching challenges the nation to accomplish six goals by the year 2006: (1) for all children to be taught by teachers who have the knowledge, skills, and commitment to teach children well; (2) for all teacher education programmes to meet national professional standard, or else be closed; (3) for all teachers to have access to high quality professional development; (4) for teachers and principals to be hired and retained based on their knowledge and skills; (5) for teachers' salaries to be based on their knowledge and skills; and (6) for high quality teaching to be central investment of schools, with most education funding directed towards classroom instruction. Investigator has selected the sixth point for B. Ed. Students.*

**Keywords:** *Achievement, Classroom communication, Effect, Enc, Instruction*

## 1. Introduction
The 1992 report of Kothari Commission on Teaching and Indian's future presented a clear programme for change in teacher education. This report cited several barriers to improving teaching in India, such as inadequate teacher education programmes; poor teacher recruitment efforts, particularly in such subjects as mathematics and science, poor administrative practices that typically saddle new teachers with the most challenging and demanding tasks, and lack of rewards for teachers who demonstrate outstanding skills and performance.

## 2. Definition of Terms
### 2.1 Instructions
Teaching in a particular subject or skill, or the facts or skills taught. Here, an instruction means particular instructions about the test to be given by the lecturer during lecture.

### 2.2 Achievement
Something that somebody has succeeded in doing, usually with effort. Here achievement means the test scores.

## 3. Objectives of the Study
1. To study interrelationship among Non Instruction and Instruction group of B. Ed. Students' achievement.
2. To study interrelationship among Non Instruction and Instruction group of B. Ed. Students' achievement of Rural and Urban.
3. To study interrelationship among Non Instruction and Instruction group of B. Ed. Students' achievement of Sex.

## 4. Variables of the study
1. Rural and Urban (Area)
2. Male and Female (Sex)
3. Instruction and Non Instruction
4. Achievement Scores

## 5. Hypotheses
**Ho$_1$** There is no significant difference between the mean of Non Instruction and Instruction group of B. Ed. Students Test Scores.

**Ho$_2$** There is no significant difference between the mean of Non Instruction and Instruction group of B. Ed. Students Test Scores of Urban area.

**Ho$_3$** There is no significant difference between the mean of Non Instruction and Instruction group of B. Ed. Students Test Scores of Rural area.

**Ho$_4$** There is no significant difference between the mean of Non Instruction and Instruction group of B. Ed. Students Test Scores of Male.

**Ho$_5$** There is no significant difference between the mean of Non Instruction and Instruction group of B. Ed. Students Test Scores of Female.

## 6. Tools Used
For the collection of data of study, the following tools were adapted by the investigator. The tests of topics made by investigator which were two tests.

## 7. Limitations of the study
The limitations of the present study are as follow.

(1) The present study is limited to S. V. S. B. Edu. College, Mehsana.

(2) In selecting the content for the test and lecture etc. The investigators have followed the framework of the syllabus for B. Ed. Paper 2.

## 8. Sample
For the collection of data of the study, the following sample was adapted by the investigators.

| Variable | Sub variable | No. | Total |
|---|---|---|---|
| Non Instruction [A1] | Group: 1 | 99 | 99 |
| Instruction [A2] | Group: 1 | 99 | 99 |
| Non Instruction Area [B1] | Urban b1 | 55 | |
| Instruction | Urban b2 | 55 | |
| Non Instruction Area [B2] | Rural b1 | 44 | |
| Instruction | Rural b2 | 44 | 99 |
| Non Instruction Sex [C1] | Male c1 | 52 | |
| Instruction | Male c2 | 52 | |
| Non Instruction Sex [C2] | Female c1 | 47 | |
| Instruction | Female c2 | 47 | 99 |

## 9. Research Design
Investigators have selected research design is as hereunder. [A1, A2;B1:(b1*b2), B2:(b1b2); C1:(c1c2), C2:(c1c2)]

| Variable | Sub variable |
|---|---|
| Non Instruction [A1] | Group – 1 |
| Instruction [A2] | Group – 1 |
| Non Instruction Area [B1] | Urban b1 |

| Variable | Sub variable |
|---|---|
| Instruction | Urban b2 |
| Non Instruction Area [B2] | Rural b1 |
| Instruction | Rural b2 |
| Non Instruction Sex [C1] | Male c1 |
| Instruction | Male c2 |
| Non Instruction Sex [C2] | Female c1 |
| Instruction | Female c2 |

## 10. Statistical Methods used

The investigators have selected statistical method and technique as here under.
Mean = M, Standard Deviation = Std. and 't' Value.

## 11. Analysis of Data

Table and graph: values of central tendency, dispersion and variables such as [A] Instruction [B] Area and [C] Sex.

### Table 1

| Scale | Non Ins. [A1] | Ins. [A2] | Non Ins. Urban [B1b1] | Ins. Urban [B1b2] | Non Ins. Rural [B2b1] | Ins. Rural [B2b2] | Non Ins. Male [C1c2] | Ins. Male [C1c2] | Non Ins. Female [C2c1] | Ins. Female [C2c2] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Ex | 638 | 877 | 376 | 500 | 262 | 377 | 325 | 450 | 319 | 421 |
| N | 99 | 99 | 55 | 55 | 44 | 44 | 52 | 52 | 47 | 47 |
| M | 6.44 | 8.86 | 6.84 | 9.09 | 5.96 | 8.55 | 6.25 | 8.71 | 6.79 | 8.96 |
| m1 m2 | | 2.42 | | 2.25 | | 2.59 | | 2.46 | | 2.17 |
| Std | 2.13 | 2.08 | 2.00 | 2.01 | 2.24 | 2.16 | 2.11 | 2.22 | 2.09 | 1.97 |
| Dm | 0.21 | 0.21 | 0.04 | 0.04 | 0.34 | 0.33 | 0.29 | 0.31 | 0.31 | 0.29 |
| r | | 0.60 | | | | 0.67 | | 0.43 | | 0.68 |
| SED | | 0.17 | | | | 0.28 | | 0.32 | | 0.25 |
| t | | 14.24 | | | | 9.25 | | 7.68 | | 8.68 |

1. Table no. 1 and columns [2&3] indicates that the mean of B. Ed. Students' achievement of Non Instruction and Instruction are 6.44 and 8.86. Also it indicates the value of stdndard is 2.13 and 2.08. So that, it can be said that the mean of Instruction is high.
2. Table no. 1 and columns [4&5] indicates that the mean of B. Ed. Students' achievement of Non Instruction and Instruction of Urban are 6.84 and 9.09. Also it indicates the value of standard is 2.00 and 2.01. So that, it can be said that the mean of Instruction of Urban is high.
3. Table no. 1 and columns [6&7] indicates that the mean of B. Ed. Students' achievement of Non Instruction and Instruction of Rural are 5.96 and 8.55. Also it indicates the value of standard is 2.24 and 2.16. So that, it can be said that the mean of Instruction Rural is high.
4. Table no. 1 and columns [8&9] indicates that the mean of B. Ed. Students' achievement of Non Instruction and Instruction of Male are 6.25 and 8.71. Also it indicates the value of standard is 2.11 and 2.22. So that, it can be said that the mean of Instruction Male is high.
5. Table no. 1 and columns [10&11] indicates that the mean of B. Ed. Students' achievement of Non Instruction and Instruction of Female are 6.79 and 8.96. Also it indicates the value of standard is 2.09 and 1.97. So that, it can be said that the mean of Instruction Female is high.

## 12. Testing of Hypotheses

| Sr. | HYPOTHESIS | Value 't' | Sig. at 0.01 & 0.05 | Accepted of Hypo. At 0.01 & 0.05 |
|---|---|---|---|---|
| Ho$_1$ | There is no significant difference between the mean of Non Instruction and Instruction group of B. Ed. Students Test – Scores. | 14.24 | Yes | No |
| Ho$_2$ | There is no significant difference between the mean of Non Instruction and Instruction group of B. Ed. Students Test – Scores of Urban Area. | 56.25 | Yes | No |
| Ho$_3$ | There is no significant difference between the mean of Non Instruction and Instruction group of B. Ed. Students Test – Scores of Rural Area. | 9.25 | Yes | No |
| Ho$_4$ | There is no significant difference between the mean of Non Instruction and Instruction group of B. Ed. Students Test – Scores of Male. | 7.68 | Yes | No |
| Ho$_5$ | There is no significant difference between the mean of Non Instruction and Instruction group of B. Ed. Students Test – Scores of Female. | 8.68 | Yes | No |

## 13. Findings

The investigator has made the findings as hereunder.

1. There is significant difference between the mean of Non Instruction and Instruction group of B. Ed. Students Test-Scores so that the effect of Instruction to be seen.
2. There is significant difference between the mean of Non Instruction and Instruction group of Urban Area- B. Ed. Students Test-Scores so that the effect of Instruction to be seen.
3. There is significant difference between the mean of Non Instruction and Instruction group of Rural Area- B. Ed. Students Test-Scores so that the effect of Instruction to be seen.
4. There is significant difference between the mean of Non Instruction and Instruction group of Male- B. Ed. Students Test-Scores so that the effect of Instruction to be seen.
5. There is significant difference between the mean of Non Instruction and Instruction group of Female- B. Ed. Students Test-Scores so that the effect of Instruction to be seen.
6. At last it can be said that the effect of Instruction should be seen on area and sex.

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