

A COMPARATIVE STUDY OF ACADEMIC ACHIEVEMENT SCORES OF THE STUDENTS AS TAUGHT BY TEACHERS WITH HIGH AND LOW TEACHING APTITUDE

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ABSTRACT

National development depends upon the education of citizens, their understanding of communication, their character and sense of discipline and their ability to participate effectively in nation's rising measures. It is hoped with the present study that it will be possible to find out if there is high association between Teaching Aptitude and Academic Achievement. Hence in the sample the number of male and female teachers is different. All the teachers and students of class eight run by Basic Shiksha Parishad are taken for the purpose of study. For the present investigation Teaching Aptitude Test by Dr. Jaiprakash and Dr. R.P. Srivastava was used. And Academic Achievement Scores which are based on the 8th Board Examination 2013 organized by Basic Shiksha Parishad are used as second tool. After study the researcher found that the hypothesis is rejected, because the significant impact of Teaching Aptitude of the teachers on student's Academic Achievement is found.

Key Words: *Academic Achievement, Scores of the students, Teachers with High Teaching Aptitude, Teachers with Low Teaching Aptitude.*

INTRODUCTION

According to Secondary Education Commission (1952-53) there are three aims which fit in democracy; (1) the training of character to fit the student to participate creatively as citizens in the emerging democratic social order (2) the improvement of their practical and vocational efficiency so that they may help their part in building up the economic prosperity of their country and (3) the development of their literacy, artistic and cultural interests which are necessary for self expression and for the full development. National development depends upon the education of citizens, their understanding of communication, their character and sense of discipline and their ability to participate effectively in nation's rising measures. Teachers are those who may possibly be significant people in the lives of their student's and they may influence these students in an important manner for the developments.

Teacher should be regarded more than God because it is the teacher who shows the way of realization. Perhaps the status of the teacher has fallen nowadays. Our society is responsible in

some way for this situation. It is therefore, natural that the researcher has considered it very essential to find out about the relationship among Teaching Aptitude of Teachers and Academic Achievement of the students. It is hoped with the present study that it will be possible to find out if there is high association between Teaching Aptitude and Academic Achievement.

Aptitude: Aptitude is not necessarily a unit but rather a collection of units; it is the set of characteristics which make possible one person to learn something even may be different from that which enable another person to learn something.

Teaching Aptitude: Teaching Aptitude can be defined as one's success in teaching. This can be defined also as abilities, traits and qualities, which contribute towards success in teaching. In life we see that the teachers who have left impression on their students are those who understand of how to awaken their student's mind and win their cooperation and respect. Thus the teachers are supposed to perform various psychologically oriented and self oriented roles.

Academic Achievement: Academic Achievement is known as the knowledge obtained or skills developed in the school subjects usually chosen by test scores or by marks assigned by teachers. The operational definition of the term used such as Academic Achievement is the level of ability, attained by the students in school examination.

OBJECTIVE

The main objective under this study is to compare Academic Achievement scores of the students as taught by Teachers with High and Low Teaching Aptitude.

H1- There is no significant difference between the Academic Achievement scores of the students as taught by High and Low Teaching Aptitude teachers.

Sample: In this study 160 teachers have been taken from 54 schools (located in rural areas) selected randomly. It has been noticed that female teacher's number in the schools are less than male teachers. Hence in the sample the number of male and female teachers is different. All the teachers and students of class eight run by Basic Shiksha Parishad are taken for the purpose of study. The students, in total 1075 (565 boys and 510 girls) are taken for the study.

Tools: For the present investigation the following psychological tools are used.

1- Teaching Aptitude Test - Dr. Jaiprakash and Dr. R.P. Srivastava.

2- Academic Achievement Scores are based on the 8th Board Examination 2013 organized by Basic Shiksha Pañshad.

TABLE- 1A

Frequency Distribution of Academic Achievement scores of the students as taught by High Teaching Aptitude Teachers

N- 30

Class	Frequencies	f %	C F	c f %	smooth frequencies
500-549	0	0	30	100	2.6
450-499	8	26.7	30	100	7.6
400-449	15	50.0	22	73.3	10.0
350-399	7	23.3	7	23.3	7.3
300-349	0	0	0	0	2.3
250-299	0	0	0	0	0

Table- 1B

Central Tendency and Variation on the Academic Achievement scores of students as taught by High Teaching Aptitude Teachers

N-30

Group	N	Mean	Median	Mode	SD	SEm	Skews
St Taught by High Apt. Trs.	30	426.7	426.2	425.2	35.5	6.48	0.04

In this investigation only 6 teachers along with 30 students are taken up. Out of 54 schools, only 2 schools are chosen with reason behind that 6 teachers working in them are all have High Teaching Aptitude and their students are 30.

The Frequency Distribution of Academic Achievement scores of students are more or less normally distributed. The Mean, Median and Mode of this group in Academic Achievement are 426.7, 426.2 and 425.2 respectively.

Table- 2A

Frequency Distribution of Academic Achievement scores of the Students as taught by Low Teaching Aptitude Teachers

N-30

Class	Frequencies	f %	C F	c f %	smooth frequencies
500-549	0	0	30	100	0
450-499	0	0	30	100	2.3
400-449	7	23.3	30	100	07
350-399	14	46.7	23	76.7	10
300-349	09	30	09	30	7.7
250-299	0	0	0	0	03

Table- 2B

Central Tendency and Variability of Academic Achievement scores of Students as taught by teachers having Low Teaching Aptitude

N- 510

Group	N	Mean	Median	Mode	SD	SEm	Skews
St Taught by Low Apt. Trs.	30	371.7	370.9	369.3	37.5	6.84	0.02

In the sample, there are only 2 schools out of 54 schools are found where all the teachers, which are 7 in total have low Teaching Aptitude. Therefore for this investigation, the students of these schools are taken. These are 30 in total. The Frequency Distribution, Central Tendency and Variability of scores of the students as taught by Low Teaching Aptitude teachers are shown in table (2a) and (2b).

The Frequency Distribution shows normal distribution of the cases. The value of Mean, Sd And Mode are 371.7, 370.9 and 369.3 respectively.

Table- 3A

A Comparative Study of Frequency distribution of Academic Achievement scores of Students as taught by the teachers having High and Low Teaching Aptitude

Students of the teachers having high Teaching Aptitude						Students of the teachers having low Teaching Aptitude					
Class	F	f %	C F	c f %	SF	Class	F	f %	C F	c f %	SF
500-549	0	0	30	100	2.6	500-549	0	0	30	100	0
450-499	8	26.7	30	100	7.6	450-499	0	0	30	100	2.3
400-449	15	50.0	22	73.3	10.0	400-449	7	23.3	30	100	7.0
350-399	7	23.3	7	23.3	7.3	350-399	14	46.7	23	76.7	10.0
300-349	0	0	0	0	2.3	300-349	9	30	9	30.0	7.7
250-299	0	0	0	0	0	250-299	0	0	0	0	3.0
200-249	0	0	0	0	0	200-249	0	0	0	0	0

Table- 3b

A comparative study of Central tendency and Variability of Academic Achievement scores of the students as taught by teachers having High and Low Teaching Aptitude

Group	N	Mean	Median	Mode	SD	SEm	Skews
High Apt.	30	426.7	426.2	425.2	35.5	6.48	0.04
Low Apt.	30	371.7	370.9	369.3	37.5	6.84	0.02

Table (3a) and (3b) show a comparative study of Frequency Distribution, Central Tendency and Variability of the Academic Achievement scores of the students as taught by teachers having High and Low Teaching Aptitude. Table (3a) shows the highest cases of the Academic Achievement scores of students of High Teaching Aptitude teacher's lies upon class interval (400-449), while maximum cases of the Academic Achievement scores of students of Low Teaching Aptitude teachers lie upon class interval (350-399). The Mean of first and second group is 426.7 and 371.7 respectively. It indicates that the students taught by the teachers having

High Teaching Aptitude are better than the students taught by the Low Teaching Aptitude teachers in the area of Academic Achievement.

CONCLUSION

After study the researcher found that the hypothesis is rejected, because the significant impact of Teaching Aptitude of the teachers on student's Academic Achievement is found.

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