

## A study on teaching aptitude of D.El.Ed trainee teachers in relation to their academic discipline & type of institutions

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### Abstract

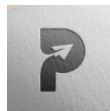
This paper deals with the teaching aptitude of D.El.Ed trainee teachers who will be future pillar of our society. The sample for the study consisted of 104 D.El.Ed trainee teachers studying in different Government and private colleges in Purba Midnapur district of West Bengal. The research tool Teaching Aptitude Test used in this study is developed by Dr. R. P. Singh and Dr. S. N. Sharma and descriptive research method was used in the present study. In the present study Mean & SD was used to find out the status of obtained score & 't' test of significance was used to compare the values of mean from the sample. The present study shows that type of Institution or Science or Arts discipline does not have any impact on teaching aptitude of trainee teachers of Purba Midnapur district of West Bengal.

### Introduction:

An aptitude is a combination of characteristics indicate of an individual's capacity to acquire (with training) some specific knowledge, skills or set of organized responses such as ability to speak a language, to become a musician, to do mechanical work. For recruitment to a job in any profession, the selection of suitable personnel by means of adequate tool and techniques is of a paramount importance. In view of the fact that individuals differ in their abilities and aptitudes, necessary standardized tests of abilities and aptitudes have a vital role to play in this direction. The teaching fraternity has an outstanding contribution to make in the development and prosperity of a nation. Hence an utmost care is required to be taken in the task of teaching profession for selecting suitable persons. Selecting right type of persons for the teaching profession necessitates the use of an aptitude for teaching. To be successful and effective in teaching a factor like an aptitude for teaching has got too reckoned. Selection of teachers on the basis of aptitude test will contribute to educational advancement and improvement.

### Teaching Aptitude:

According to Bingham (1942); "Aptitude is a condition symptomatic of a person's relative fitness, of which one essential aspect is his readiness to acquire proficiency- his potential ability- and another is his readiness to develop an interest in exercising that ability."



The service conditions in the profession should be so modified as to attract persons with real aptitude for teaching to join the profession. No person with aptitude for teaching should be tempted to join another profession simply because of better prospects. Teacher Aptitude is the quality of being fit for teaching profession. That is why, Teacher Aptitude is considered as the determinant factor of effective teaching. If the teachers are empowered with necessary skills and competencies, they can inculcate the skill in other persons and mainly in pupils.

#### **Factors influencing teaching aptitude:**

Some factors influencing teaching aptitude, which are discussed as under:

- Ability to maintain discipline:
- Adaptability
- Attitude towards children
- General Knowledge
- Honesty
- Impartiality
- Interest in profession
- Intelligence

#### **Significance of the study:**

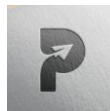
In present school education system, it is seen that students could not attend their learning objectives properly. One of the major reasons which come in front repeatedly behind this situation is lacking of teaching aptitude of the teachers. It is high time that we should recruit those teachers who are appropriate for this profession & assessing teaching aptitude is the best way to identify efficient teachers. Therefore the researcher selected the above study to find out the aptitude of D.El.Ed trainees in Purba Midnapur district.

#### **Review of related literature:**

There are number of research studies conducted in the area of teaching aptitude of teachers. Teaching aptitude is compared with respect to Age, experience, facility, gender, different levels and categories of teachers, etc. It is also correlated with success of teaching, teaching-learning process, teacher commitment, teacher effectiveness, intelligence, academic achievement, personality, etc. The major studies are discussed below.

Sharma, (2006) conducted a study of teaching aptitude in relation to general teaching competency, professional teaching and academic achievements of B.Ed pupil teachers. The results of the study revealed that discipline and sex of the pupil teachers do not contribute towards teaching aptitude of pupil teachers.

Divyanshi Chugh, 2012) Mrityunjay Yadav (2013) in his study of teaching aptitude was conducted on B.Ed. pupil teachers in relation to their teaching competency, and academic achievement with reference to their sex (male, female) and discipline (science and arts.) The



results indicated that discipline & sex of the pupil teachers do not contribute towards teaching aptitude significantly.

Yadav, (2013) conducted a study & depicted that discipline and gender of the pupil teachers do not contribute significantly towards teaching aptitude whereas Female art pupil teachers showed better Teaching Aptitude than their counterparts .

KAUR. (2014) found in his study no significant difference between arts and science pupil teachers.

### **Objectives of the study:**

The main objectives of the present study are as follow:-

1. To compare the impact of stream chosen by pupil teachers on the teaching aptitude of Purba Midnapur district.
2. To compare the impact of type of institution in the teaching aptitude of Purba Midnapur

### **Hypothesis:**

- There does not exist any significant difference in teaching aptitude between trainee teachers belong to science & arts stream.
- There does not exist any significant difference in teaching aptitude between trainee teachers from Government & Private institutions.
- There does not exist any significant difference in teaching aptitude between Government trainees teachers belong to Science & Arts stream.
- There does not exist any significant difference in teaching aptitude between Private trainees teachers belong to Science & Arts stream.

### **Methodology of the study:**

The present study is a descriptive survey type designed to obtain important and precise information concerning the teaching aptitude of the D.El.Ed trainee teachers in relation to their type of institution & subject stream.

### **Sample:**

The sample of the present study consisted of 104 D.El.Ed trainee teachers of which 54 students are studying in Government institution & 50 students are from private teachers training colleges in Purba Midnapur district of West Bengal. Among these 104 D.El.Ed trainees 45 trainees belong to Science stream & 59 no. of trainees belong to Arts stream.



**Tool used for data collection:**

1. **Teaching Aptitude Test ( Dr. R. P. Singh and Dr. S. N. Sharma )**

The test was constructed by R.P. Singh and S.N. Sharma. The present teaching aptitude test has been designed to administer upon trainee teachers. It is intended to serve as a tool for selecting students for admission in teacher training institutions. Items are divided into 5 areas, they are

- Mental ability
- Attitude towards children
- Adaptability
- Professional information
- Interest in profession

**Data Collection:**

The head of the selected colleges in the sample frame were requested to permit the investigator for collection of data in their colleges. The test booklet and the answer sheets were distributed to them. They were answered that the information given by them would be kept confidential. After successful completion of the test, the investigator collected the test material from them. The researcher analyses & interprets the data by applying statistical technique such as Mean, SD & t-test keeping in view the stated hypothesis.

**Analysis & Interpretation:**

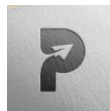
H<sub>0</sub>1:

Stream	N	Mean	SD	t- value	Remarks
Arts	59	72.4	10.25	0.173	Calculated value is less than tabulated value
Science	45	72.0	12.21		

From the above table it is clear that as calculated t-value is far less than tabulated t value at df-102 at 0.05 level of significance, hence the value is insignificant. So the Null hypothesis is accepted which means there is no difference in teaching aptitude between trainee teachers from Arts & Science backgrounds.

H<sub>0</sub>2:

Institution	N	Mean	SD	t- value	Remarks
Govt.	54	73.75	8.94	1.690	Calculate t value is less than tabulated value
Science	50	70.10	12.67		



From the above table it is clear that as calculated t-value is less than tabulated t value at df-102 at 0.05 level of significance, hence the value is insignificant. So the Null hypothesis is accepted which means there no difference in teaching aptitude between trainee teachers is studying in Govt. & Private institutions.

H<sub>0</sub>3:

Institution/Stream	N	Mean	SD	t- value	Remarks
Govt/Arts	27	72.46	8.90	1.104	Calculate t value is less than tabulated value
Govt./Science	27	75.10	8.77		

From the above table it is clear that as calculated t-value is far less than tabulated t value at df-102 at 0.05 level of significance, hence the value is insignificant. So the Null hypothesis is accepted which means there no difference in teaching aptitude between Govt. trainee teachers is coming from Arts & Science stream

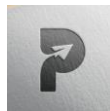
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Institution/Stream	N	Mean	SD	t- value	Remarks
Private/Arts	32	71.68	13.3	1.02	Calculate t value is less than tabulated value
Private/Science	18	67.9	12.16		

From the above table it is clear that as calculated t-value is less than tabulated t value at df-102 at 0.05 level of significance, hence the value is insignificant. So the Null hypothesis is accepted which means there no difference in teaching aptitude between Private trainee teachers is coming from Arts & Science background.

### Major Findings of the Study:

- There is no significant difference in teaching aptitude of Govt. and private D.El.Ed trainee teachers. It means that aptitude of govt and private prospective teachers is not affected or determined by their institution.
- There is no significant difference in the teaching aptitudes prospective teachers coming from Arts & Science stream towards teaching profession.
- There is no significant difference in the teaching aptitude between prospective trainee teachers coming from Arts & Science stream studying in Government Institution.
- There is no significant difference in the teaching aptitude between prospective trainee teachers coming from Arts & Science stream studying in Private Institution.



### Recommendation and Suggestions:

In the present study the researcher has suggested the following recommendations for enhancement of teaching aptitude among teacher trainees-

- ✓ The researcher has found that a common entrance test must be undertaken for selection of pre-service trainee teacher.
- ✓ The researcher also suggests that in case of private institution students having high percentage of marks should be encouraged for admission.
- ✓ The researcher observed that teacher trainee having undergraduate or post graduate degree performed better than the higher secondary pass out student. So the researcher is expecting that the Government may award extra marks during admission in the teachers training course, so that it may help to improve the quality of school education.
- ✓ The researcher also suggests that this aptitude test can be applied upon in-service teachers to assess their teaching aptitude.
- ✓ The researcher followed standardised test but it could have been self made & standardised as per local needs.

### References

- ✓ Arun, K. K., & Geeta, H. (2006). Educational Aptitude of Prospective Teachers. *Edutracks*, 5 (7), 32-33
- ✓ Augustine, J. (2010). Teaching Aptitude, Competency, Academic Background and Achievement in Educational Psychology. *Edutracks*, 9 (6), 26-27.
- ✓ Belagali, H. V. (2011). A Study of Teachers Attitude towards Teaching Profession of Secondary Schools in Relation To Gender and Locality. *International Referred Research Journal*, 3(32), 18-19.
- ✓ Diwan. (1991). A study of the predictors of Academic Achievement of student teachers in terms of aptitude, attitude, participators and human values. Ph.D thesis, Education, Maharshi Dayand University. In Buch, M.B. Fifth survey of research in education, p.1871.
- ✓ Kaur, Harmeet . (2014). A Comparative Study of Teaching Aptitude of B.Ed.(General)Pupil Teachers of Kurukshetra District in Relation to Their Gender, Location, Stream and Professional Experience. *Indian Journal of Research* 3 (8) ISSN - 2250-1991. Pp: 28-30.
- ✓ Kuraishy, S., & Ahmad, J. (2010). Teaching aptitude of Prospective Teachers in relation to their Academic Background. *Edutracks*, 9 (5), 33-36.
- ✓ Patil, G.G & Deshmukh, D.V. (1993). A study of the relationship between aptitude in teaching efficiency of pupil teachers. *Research bulletin, Maharashtra State Council of Ed.*, Vol. XXIII (1x2).
- ✓ POA. (1992). Ministry of Human Resource Development, Govt. of India, New Delhi.
- ✓ Reddy Bhoom N. (1991). Teaching Aptitude and Attitude of Secondary School Teachers in Andra-Pradesh. Ph.D..Edu. Osmania University. Fifth Survey of Research in Education, Vol 2 (4), pp.1472-1473.



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- ✓ Sharma, R C. (1984). Teaching Aptitude Intellectual Level and Morality of Prospective Teachers. Forth Survey of Research in Education, Vol. (1), p.986.
- ✓ Report of the Secondary Education Commission. (1953). Mudaliar Commission
- ✓ Report October 1952 to June 1953. Ministry Of Education, Government of India.

**Online References:**

[www.britannica.com](http://www.britannica.com)

[www.sodhganga.inflibnet.ac.in](http://www.sodhganga.inflibnet.ac.in)

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