

## **“A Study of Teaching aptitude, Intelligence and General Awareness of Secondary School Teachers”**

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### **Abstract**

*In the Present study an tempt has been male to find out relationship of teaching aptitude, intelligence and general awareness of secondary school teachers. Data was collected from various government and private secondary school situated in urban and rural areas of two districts of Rajasthan consisting of 150 male and female teachers responding to general mental ability test by Dr. Jolota, Teacher’s general awareness test by prepared by anju and teacher’s fetching aptitude test by Dr. RP Sri vastava and Jai prakash. Results revealed that there is no significant difference between teaching aptitude and general awareness of rural and urban teachers. But there is a significant difference between rural and urban teacher’s intelligence. Urban teacher’s found more intellectual ability than the rural teacher’s*

**Keywords:** - Teaching aptitude, Intelligence and Awareness

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## **Introduction**

Teacher occupies a prominent place in society and in educational system. From ancient times teacher has been enjoying social status and position in the Indian society as well as in the field of education. No doubt the success of education depends upon the character attainment and professional efficiency of teachers. "A poor teacher tells an average teacher explain a good teacher demonstrates and a great teacher inspire." Capacity to become proficient and to find in it certain amount of zest is of vital importance for happiness and health of mind whether in school and college, in business, government or in trade and industry. Misdirection of efforts is costly. Society as well as individual he in cures' considerably loss, when ambitions are ill directed not only in the maladjusted and frustrated in their work. It does not take much to realize that the quality of a nation depends not exclusively, but in a critical measure, upon the quality of their teachers. The democratic India needs a long army of efficient and competent teachers for universal, compulsory and free education of our children. For the quality of a teacher an educational system is a more important factor than all other educational factors put together. Hence a pertaining selection thoroughly conducted on scientific lines becomes a pre requisite for building up a proper educational system. Importance and role of teacher in educational system is recognized by everyone.

Among other factors, which influence the quality of a student, is his education, recognizes importance and role of the teacher in the educational system. A teacher not only has to be competent in his subject, method of teaching and in understanding his students but also should have interest in the profession and have a favorable attitude towards teaching and have teaching aptitude also. The term "attitude" refers to reports of what people think or feel or of the ways in which they intend to act. "Teacher" how he thinks or feels about his profession it is desirable to study the teacher attitude because it not only affects his own behavior in the classroom but also of the students.

The term "aptitude" is generally used in either of the two ways:

(I) When we say that a man has a great deal of aptitude for art, meaning that he has in a high degree, many of characteristics which makes for success in artistic activities.

### **Concept of Aptitude**

The term "aptitude" is generally used in either of the two ways:

(I) When we say that a man has a great deal of aptitude for art, meaning that he has in a high degree, many of characteristics which makes for success in artistic activities.

(ii) When we say that a person lacks spatial aptitude meaning that he lacks this specialized ability, which is of varying importance in a number of different occupations.

In the former instance the word is used not to denote a unitary trait , or even an entity of any sort, but rather a combination of traits and abilities which result in a person's being qualified for some type of occupation or activity. In the later case, the word "aptitude" intends to convey the idea of a discrete unitary characteristic, which is important, in varying degree in a variety of occupation & activities.

Both these concepts of aptitude are important in vocations however, the meaning intended should be clear. In general counselors & personal trend to think in terms of vocations & jobs & therefore they use the term in a broad popular sense. While psychologists tend to think in terms of individual differences & traits and therefore use the term in the narrow scientific sense.

"Aptitude", as defined in Warren's Dictionary, "is a condition or set of characteristics regarded as symptomatic of an individual's ability to acquire with training some knowledge, or skill or set of response, such as the ability to speak a language, to produce music, etc." It is defined as a condition or set of characteristics indicative of ability to learn. This implies that an aptitude is not necessarily entity, but rather a constellation of entities: the set of characteristics which enables one person to learn something may even be different from that which enables another person to learn the same thing.

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considered here as a relative and not identical with the concepts of ability, capability, capacity, proficiency, skill, talent and genius, etc.

**Concept of Intelligence:**

Intelligence, as far as the layman is concerned, manifests itself in terms of how an individual behaves in his society, men form opinions about their neighbors that indicate that judgments have been made as to the latter intelligence. If a man is successful in business his counsel is sought by his friends and associates not only on matters of business but on almost any problem that may arise in his community. His opinion is valued and he is regarded as a 'smart' businessman. If a man is a good worker he is said to be 'clever' if he makes wise investments he is said to be 'shrewd' if he plans for the future adequately he is considered 'far sighted' and if he makes reliable predictions of what may be the result of behaving in certain ways he is said to be a man of 'vision'. All of these words used to describe individuals have implications for the intelligence of the person concerned. Though intelligence may be regarded by the layman as an all-or-none proposition, it, nevertheless, is a quality that enters into the opinion that he forms about his neighbors.

The psychologists' regards intelligence in a manner slightly different from the way of man on the street does. To him, the all-or-none notion of intelligence is rejected, and the formation of opinions as to which individuals are more intelligent or less intelligent than others is made on the basis of different kinds of evidence. Though some examples of social or economical behavior are certainly recognized by the psychologist as behavior that may require a high level of intelligence, they are certainly not the sole criteria for him. Many psychologists have suggested.

**General Awareness**

General term refers to relationship between variables but does not specify values. The act of having or showing realization, perception or knowledge is general awareness. It is a concept that gives knowledge about all other fields extra to books

**Statement of The Problem**

**“A Study of Teaching aptitude, Intelligence and general Awareness of Secondary School Teachers”**

**Objective of The Study**

Following are the objectives of the study”

1. To study the mental ability of the teachers.
2. To study the general awareness of the teachers.
3. To know the teaching aptitude of teachers.

4. To compare the mental ability, general awareness and teaching aptitude of Suratgarh and Sriganganagar teachers.
5. To study the difference between male & female and rural and urban teacher in their mental ability, general awareness and teaching aptitude.

### **Need of the Study**

Many researches are done in the field of teacher education, but there are no specific studies conducted on the comparison of Sriganganagr & Suratgarh states teachers' mental ability of in-service teachers. Hence the investigator felt that this area of research had not been explored. The need and significance of the present study was felt because there is a need to compare the mental ability, general awareness and aptitude of the teachers' of both the states. These variables play a significant role in effective teaching. A teacher must have a high mental ability and general awareness about the different areas and on the various fields of education

### **Sample of The Study**

In survey types of research sampling is prime importance, as sample is a part of the population or representatives of the population. For this part of the population, random sampling is the best type of sampling in educational research. Random sampling is the method of drawing a portion or sample of population by which. each member of the population has an equal chance of being selected. More specifically, random sampling is that method of drawing a portion of population, so that all samples of fixed size have same possibility of being selected. A sample drawn at random is unbiased as no member of population has any more chance of being selected than any other number. The term 'population' or universe conveys a different meaning than a traditional one. In census survey, the count of individuals is known as population. But in research methodology population means the characteristic of a specific group.

The sample of present study has been randomly selected from all the teachers of Senior Secondary Science classes, who are teaching in senior secondary school in Bikaner range has been constituted the population for the study. The study has covered male & female teachers in government and non-government schools situated at urban & rural areas.

### **Technique Used:**

To process the date following Statistical Techniques are used:

1. Central Tendency (Mean. S.D.)
2. 't' ratio

3. Correlation

**Results and Discussion**

**Results are interpreted in the light of statistical technique and shown in the table1 to 9**

**TABLE NO. 1**

**Table showing difference between Sriganganagr & Suratgarh teachers on the variable Teaching Aptitude**

Source of Variation	N	Mean	SD	SEM	't' Value	Level of Significant
Sriganganagr Teachers	75	86.92	13.17	1.76	1.07	NS
Aptitude Suratgarh Teacher	75	80.02	16.50			

NS = Not Significant

**TABLE NO. 2**

**Table showing difference between Sriganganagr & Suratgarh teachers on the variable Intelligence**

Source of Variation	N	Mean	SD	SEM	't' Value	Level of Significant
Sriganganagr Teachers	75	74.57	7.97	1.10	0.071	NS
Aptitude Suratgarh Teacher	75	74.49	7.69			

NS = Not Significant

**TABLE NO.3**

**Table showing difference between Sriganganagr & Suratgarh teachers on the variable General Awareness**

Source of Variation	N	Mean	SD	SEM	't' Value	Level of Significant
Sriganganagr Teachers	75	108.40	10.84	1.72	0.72	NS
General Awareness Suratgarh Teacher	75	109.64	11.42			

NS = Not Significant

**TABLE NO. 4**

**Table showing difference between Male & Female teachers of both state**

Source of Variation	N	Mean	SD	SEM	't' Value	Level of Significant
Male Teachers	40	88.07	17.02	2.98	0.435	NS
Aptitude Female Teacher	40	86.77	10.27			

NS = Not Significant

**TABLE NO. 5**

**Table showing difference between Male & Female teachers on the variable Intelligence**

Source of Variation	N	Mean	SD	SEM	't' Value	Level of Significant
Male Teachers	40	72.00	9.56	1.73	0.56	NS
Intelligence Female Teacher	40	71.02	5.71			

NS = Not Significant

**TABLE NO. 6**

**Table showing difference between Male & Female teachers on the variable General Awareness**

Source of Variation	N	Mean	SD	SEM	't' Value	Level of Significant
Male Teachers	40	108.52	10.08	1.91	1.46	NS
General Awareness Female Teacher	40	111.23	13.33			

NS = Not Significant

**TABLE NO. 7**

**Table showing difference between Rural & Urban teachers of both state on the variable Aptitude**

Source of Variation	N	Mean	SD	SEM	't' Value	Level of Significant
Rural Teachers	40	85.52	11.45	2.81	0.525	NS
Aptitude Urban Teacher	75	87.30	16.18			

NS = Not Significant

**TABLE NO.8**

**Table showing difference between Rural & Urban teachers on the variable Intelligence**

Source of Variation	N	Mean	SD	SEM	't' Value	Level of Significant
Rural Teachers	40	77.00	8.01	1.87	2.91	S*
Intelligence Urban Teacher	40	71.55	7.45			



**TABLE NO. 9**

**Table showing difference between Rural & Urban teachers on the variable General Awareness**

Source of Variation	N	Mean	SD	SEM	't' Value	Level of Significant
Rural Teachers	40	107.75	12.20	2.69	1.14	NS
General Awareness Urban Teacher	40	110.82	10.37			

**Main findings of the study:**

II. There is no significant difference between **Sriganganagr & Suratgarh teachers'** regarding their teaching aptitude.

JJ. There is no significant difference between **Sriganganagr & Suratgarh teachers'** general awareness.

KK. There is no significant difference between **Sriganganagr & Suratgarh teachers** on the variable intelligence.

LL. There is no significant difference between male and female teachers' teaching aptitude.

MM. There is no significant difference between male and female teachers' on the variable general awareness.

NN. There is no significant difference between male and female teachers' intellectual ability.

OO. There is no significant difference between rural and urban teachers' teaching aptitude.

PP. There is no significant difference between rural and urban teachers' general awareness.

There is a significant difference between rural and urban teachers' intelligence. Urban teachers found more intellectual ability than the rural teachers.

**Suggestions for further studies**

Having completed the present research project, the investigator has put forth suggestion for further study. The following suggestions may guide other researcher interested in this field concerned.

1. Sample from other districts of Hanumangarh or other states may be taken. If possible, sample may be in large in size.

2. The present research project was confined to a few independent and dependent variables. A study may be conducted by using other variables.

A study may be conducted on different age group of teachers, experience and educational qualifications of the teachers.

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