CHAPTER: 1
STATEMENT OF THE PROBLEM AND DEFINITIONS OF KEYWORDS

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CHAPTER: 1
STATEMENT OF THE PROBLEM AND DEFINITIONS
OF KEYWORDS

1.1. Introduction:

The main objective of education is not only to provide information but develop basic skills like listening, reading, writing and speaking. Education aims at the all around development of students i.e. physical, mental, social, cultural and spiritual. For such development, teaching provided in class-rooms is not enough. The world has reached in 21st century. i.e. Information Age. This era is an age of technology and information. To cope up and survive in this age, hard work is needed. The college students work hard to obtain good marks and to build professional career in today’s competitive world. Sometimes they do not obtain expected results after their hard work. Due to such failure the students feel frustrated and disappointed. Sometimes student uses mal-practices to put him or herself ahead in competition. The negative incidents broadcast by newspapers and media pushes students’ mind to encourage crimes. College students are in post adolescence stage; so the problems like physical changes, sexual intensity, loneliness, opposition to parents’ advice etc. are faced in this stage. Beside this, the worries for career building, fulfilling expectation of parents and family etc. make the students mentally sad, when these ambitions are not fulfilled; they feel sadness and much anxiety and as a result slip into frustration.

The solution should be found out for such college students who are seized by anxiety and frustration; for those students who are
engrossed with problems like career and education oriented anxieties. Intelligence test is the best tool to measure such a phenomenon. With the help of intelligence test, the information of good and bad can be obtained. Intelligence is of many types i.e. emotional intelligence, spiritual intelligence etc. Purification of mind of students, awareness and self-realization is necessary for students to help them come out of anxieties. Spiritual intelligence helps to students to avoid mental stress and protect against restlessness. By cultivating spirituality, politeness and self-realization among students can be created. Purification of inner mind enables the students to solve the various problems and to take proper decisions.

Spiritual intelligence is a new field. We often hear these words like spiritual intelligence, spiritual quasant, soul quasant, self-consciousness etc. It was cleared by California University in 1990 that a centre of spirituality is in human mind which is recognized as the God spot. This spot in mind finds answers of the questions related to various aspects of life like values, meaning of life, self consciousness etc. Human being should create spirituality in their nature because some questions arise in our minds like:

- Why this happens only with me?
- What is the aim of my birth on this earth?
- What is the meaning of my life?
- Which world will be existed after my death?
- Whether the present situation is appropriate for me?

The development of cultural fields in this world is due to spirituality and so to know the level of spirituality among students is
more important. To examine this, spiritual intelligence of students should be measured. Spiritual intelligence is the kind of non-recognized intelligence. Dana Johar and Ian Marshal, psychologists of Oxford University have established a new principle of knowing intelligence Quest to measure spiritual Quest in 2000 ad. To save the students from problems, to purify their inner minds and to find out answers of the questions like ‘What is the meaning of life?’, ‘How can be helpful to others?’, ‘How can be found a way in difficulties?’ etc. Spiritual Intelligence is very useful.

Measurement of spiritual intelligence is needed to measure the matters related to levels of spiritual knowledge among students, their views to religions, their evaluation of deed, their thinking about spiritual riches, their self-consciousness and self- realization, their level of practicing values in life, their development of social skills etc. and Very Few researches done to measure Spiritual Intelligence in Gujarat State. So the researcher had intended to conduct study related to spirituality measurement of higher secondary students in Gujarat state.

1.2. Statement of the Problem:

The first step of the study is to create a proper question on which the research is going to be conducted. Statement of problem is an important matter since it helps to clarify the field of research. So the problem could be presented clearly. The problem statement must be in clear language and without any prejudice. The problem statement is as under:
1.3. Definitions of the Keywords:

Each word has its unique meaning. In research study it is necessary to mention meaning of every word, so that the meaning of each term becomes clear and understanding of each term becomes easier. It is very necessary to define key words involved in the title to clarify it in any study. This study has some specific terms which need to be defined. The definitions of such words are given below:

Construction

- Theoretical Definition

According to L.P. Agrawal (2005),

"The first step in the construction of an adequate test is to have a full and clear understanding of the objectives of the study and the nature of the date needs."

The Merriam-Webster's online Dictionary (2011) gives the meaning as,

"The arrangement and connection of words or groups of words in a sentence: syntactical arrangement"

According to Terry & Thomas (1977) construction means,

"Programmed instruction term for the construction of an answer either in writing or by performance actively, not by passive choice"
• Operational Definition

Here, construction means to prepare the scale statements. All the items to be used in the process of standardizing must be evolved or constructed. It naturally leads one to taking items through the process of pilot administration and analysis. In the present study, the term construction indicates specially the construction of a Spiritual Intelligence Scale.

Standardization

• Theoretical Definition

In general meaning standardization means it’s a process to measure mental ability, construct a test or scale and established norms.

According to Webster’s Dictionary⁴,

“*To accept as a standard; to make a certain, fixed and standard size or quality.*”

According to R. N. Agrawal⁵ (1964),

“A *standardised test is one in which the procedure apparatus and scoring have been fixed so that precisely the same test can be given at different times and places.*”

According to N. Anastesi⁶ (1968),

“*Standardization implies uniformity of procedure in administration and scoring the test.*”

According to R. S. Patel⁷ (2011),

"*Tests are subjected to stages of standardization and are therefore known as standardized tests.*"
Cronbach\(^8\) (1984) defined it as,

“A standardized test is one which the procedure, apparatus and scoring have been fixed. So the precisely the same test can be given at different times and places”

- Operational Definition

  In the present study researcher has constructed Spiritual Intelligence Scale and its reliability, validity and norms are established. This process is called standardization for present study.

Spiritual Intelligence

- Theoretical Definition

  According to Tony Buzan\(^9\) (2001),

  “Spiritual intelligence is an inherent ability.”

  Dana Johor and Ian Marshal\(^10\)

  “Spiritual Intelligence is our access to and use of meaning, vision and value in the way that we think and the decision that we make”

- Operational Definition

  In the present study Spiritual intelligence means score of Spiritual Intelligence Scale (SIS) achieved by college students.

Scale

- Theoretical Definition

  “A collection of questions used to measure a particular research topic”\(^11\)

- Operational Definition

  For this study, a scale has been constructed by framing and properly arranging items keeping in mind various factors of Spiritual
Intelligence among the students. Keeping in mind the Scale originated in an individual and the main effects of the Spiritual Intelligence, several statements have been constructed for Spiritual Intelligence Scale. Thus a systematic Scale has been prepared in this study.

Higher Secondary Students

- Operational Definition
  For the present study higher secondary schools students means boys and girls studying in stander 11th and 12th of Gujarati Medium School of Gujarat State.

1.4. Objectives of the Study:

A specific objective lies behind every work. Without objective research work is useless. To show the importance of objectives, A.M. Patel\textsuperscript{12} writes,

\textit{“Objectives are such points that work is done in its directions or objectives is such a perfect change which can be achieved through work”}

The researcher has decided the following objectives.

1) To construct and standardize the Spiritual Intelligence Scale.
2) To measure level of the Spiritual Intelligence of higher secondary schools students.
3) To examine the Spiritual Intelligence of higher secondary schools students in relation to their Stander.
4) To examine Spiritual Intelligence of higher secondary schools students in relation to their gender.
5) To examine Spiritual Intelligence of higher secondary schools students in relation to their area of residence.
6) To examine the Spiritual Intelligence of higher secondary schools students in relation to their Intelligence Level.

7) To examine the Spiritual Intelligence of higher secondary schools students in relation to their Social Economical Status Level.

1.5. Variables of the Study:

To identify and practically define the variable covered in the research problem of a study is an important step of a research process. It is essential to gain understanding of each variable and its types. The variables involved in this study are as follow:

Table: 1.1

Classification of Variables According to Categories

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Type of Variable</th>
<th>Variable</th>
<th>Level</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Independent</td>
<td>Standers</td>
<td>2</td>
<td>❖ 11</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>❖ 12</td>
</tr>
<tr>
<td>2</td>
<td>Independent</td>
<td>Gender</td>
<td>2</td>
<td>❖ Boy</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>❖ Girl</td>
</tr>
<tr>
<td>3</td>
<td>Independent</td>
<td>Area</td>
<td>2</td>
<td>❖ Urban</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>❖ Ruler</td>
</tr>
<tr>
<td>4</td>
<td>Independent</td>
<td>Intelligence</td>
<td>2</td>
<td>❖ High</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>❖ Low</td>
</tr>
<tr>
<td>5</td>
<td>Independent</td>
<td>Social Economical Status (SES)</td>
<td>2</td>
<td>❖ High</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>❖ Low</td>
</tr>
<tr>
<td>6</td>
<td>Dependent</td>
<td>Spiritual Intelligence</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>
1.6. Hypothesis of the Study:

After deciding the objectives and title of the research study, the researcher has created temporary answers or solutions with reference to the problems and that is known as hypothesis. Hypothesis is like a footpath and a scientific vision for problem solving. It is the search light for guidance and direction. Hypothesis is a key for examining and testing of problems which is inevitable in research work. Hypotheses are eyes of research problems. According to Best & Kahn\(^\text{13}\) (1989),

"The hypothesis focuses the investigation on a definite target and determines what observation or measures are to be used"

According to F.M. Kerlinger\(^\text{14}\)

“A hypothesis in a conjectural statement of the relation between two or more variables”

Hypothesis of the present study were as follows:

\(H_0^1\) There will be no significant difference between the mean scores of Spiritual Intelligence of Boys and Girls of higher secondary school.

\(H_0^2\) There will be no significant difference between the mean scores of Spiritual Intelligence of students of urban area and rural area.

\(H_0^3\) There will be no significant difference between the mean scores of Spiritual Intelligence of Boy students of urban area and rural area.

\(H_0^4\) There will be no significant difference between the mean scores of Spiritual Intelligence of Girl students of urban area and rural area.

\(H_0^5\) There will be no significant difference between the mean scores of Spiritual Intelligence of 11\(^{th}\) and 12\(^{th}\) stander students of higher secondary school.
Ho6 There will be no significant difference between the mean scores of Spiritual Intelligence of Boy students of 11th and 12th stander students of higher secondary school.

Ho7 There will be no significant difference between the mean scores of Spiritual Intelligence of Girl students of 11th and 12th stander students of higher secondary school.

Ho8 There will be no significant difference between the mean scores of Spiritual Intelligence of 11th std. students of Urban Area and Rural Area.

Ho9 There will be no significant difference between the mean scores of Spiritual Intelligence of 12th std. students of Urban Area and Rural Area.

Ho10 There will be no significant difference between the mean scores of Spiritual Intelligence of 11th std. students of High and Low Intelligence.

Ho11 There will be no significant difference between the mean scores of Spiritual Intelligence of 12th std. students of High and Low Intelligence.

Ho12 There will be no significant difference between the mean scores of Spiritual Intelligence of 11th std. students of High and Low Social Economical Status.

Ho13 There will be no significant difference between the mean scores of Spiritual Intelligence of 12th std. students of High and Low Social Economical Status.

Ho14 There will be no significant difference between the mean scores of Spiritual Intelligence of students of High and Low Intelligence.
There will be no significant difference between the mean scores of Spiritual Intelligence of Low Intelligence students of boys and girls.

There will be no significant difference between the mean scores of Spiritual Intelligence of High Intelligence students of boys and girls.

There will be no significant difference between the mean scores of Spiritual Intelligence of Boy students of High and Low Intelligence.

There will be no significant difference between the mean scores of Spiritual Intelligence of Girl students of High and Low Intelligence.

There will be no significant difference between the mean scores of Spiritual Intelligence of Low Intelligence students of 11th and 12th std.

There will be no significant difference between the mean scores of Spiritual Intelligence of High Intelligence students of 11th and 12th std.

There will be no significant difference between the mean scores of Spiritual Intelligence of Low Intelligence students of Urban Area and Rural Area.

There will be no significant difference between the mean scores of Spiritual Intelligence of High Intelligence students of Urban Area and Rural Area.

There will be no significant difference between the mean scores of Spiritual Intelligence of students of High and Low Social Economical Status.

There will be no significant difference between the mean scores of Spiritual Intelligence of Low Social Economical Status students of boys and girls.

There will be no significant difference between the mean scores of Spiritual Intelligence of High Social Economical Status students of boys and girls.
There will be no significant difference between the mean scores of Spiritual Intelligence of Boy students of High and Low Social Economical Status.

There will be no significant difference between the mean scores of Spiritual Intelligence of Girl students of High and Low Social Economical Status.

There will be no significant difference between the mean scores of Spiritual Intelligence of Low Social Economical Status students of 11th and 12th std.

There will be no significant difference between the mean scores of Spiritual Intelligence of High Social Economical Status students of 11th and 12th std.

There will be no significant difference between the mean scores of Spiritual Intelligence of Low Social Economical Status students of Urban Area and Rural Area.

There will be no significant difference between the mean scores of Spiritual Intelligence of High Social Economical Status students of Urban Area and Rural Area.

1.7. Limitations of the Study:

A research of any subject is on a very wide canvass which demands a great amount of time and effort and so it becomes very important to delimit the scope of any research. According to Best & Kahn15 (1989),

"Limitations are those conditions beyond the control of the researcher that may place restriction on the conclusion of the study and their applications to other situations."
Sukhia & Mehrotra (1966) states that,

"A reorganization of the limitations of the study helps to focus attention of valid objectives and helps minimize the danger of over generalization."

For conducting a research work, an investigator has to accept certain limitations which related to time, energy and sample selection of the inference of a research are become erroneous. Limitations of the present study were as follows:

1. The scope of present study is limited to Gujarat State.
2. This study is conducted for the higher secondary schools students only for Gujarati medium.

1.8. Area of Research:

There are eighteen areas of Research.

1. Educational philosophy  
2. Educational sociology  
3. Educational psychology  
4. Educational economics  
5. Syllabus and text book  
6. Educational technology  
7. Examination  
8. Variable related to achievements  
9. Advice and guidance  
10. Psychological research and testing  
11. Teacher and teacher educator  
12. Language teaching  
13. Mathematics teaching  
14. Science teaching  
15. Social teaching  
16. Value base education  
17. Yoga and physical education  
19. Educational management and organization

Among all these areas of Research present research was based on Educational Philosophy.
1.9. Importance of the Study:

It is important to know if the problem selected by researcher and the study on that problem will be useful. So the researcher should know the importance of the study. Every research has its exclusive importance. This study has also a specific importance in the field of education. The importance of this study is stated as below:

- Spiritual intelligence of students will be known and emotions like tension, anxiety, fear etc can be eradicated and students will be encouraged to do better work.
- Hidden spiritual intelligence in students will be found out and can be measured.
- Students will be made aware of their spiritual intelligence with the help of spiritual intelligence scale by which their internal and external skills can be developed.
- The knowledge of religion as well as religious and social awareness and their own self etc. will be known and this study will be useful to develop the same.
- Present study will be useful to decide the level of Spiritual Intelligence of higher secondary students.
- The present study will be useful to develop spiritual intelligence among the higher secondary students by Spiritual Intelligence Scale.
- The Spiritual Intelligence Scale prepared to study the spiritual intelligence of higher secondary students is also going to be useful for the future researchers.
The references provided in this research will be helpful to the future researchers to understand the concept of spiritual intelligence.

With the help of the present research the spirituality, religiousness, beliefs regarding the religion, self awareness, mental control, desire to help others, understanding regarding values, level of meditation etc. will be known.

Students will be made aware about various questions like: what is spirituality? What is the importance the knowledge of spirituality? Is the spirituality useful or not in a person’s life? What is the importance of the human values like honesty, morality, sociality, commitment etc.?

This study will be useful to guide to the students of higher secondary schools to increase spiritual intelligence.

By this study the researcher will come to know about factors which affect Spiritual Intelligence e.g. gender, intelligence, standards and social economical status etc.

1.10. Planning of the Next Chapters:

In any kind of a research, it very essential to give a brief summary of the details which are presented into chapter so that anybody studying the research report gets a fair idea about the research work.

In the report the chapters should be distributed in such a way that the details included becomes consistent. The report of the present study has been distributed into eight chapters. The organization of the upcoming chapters is as given below.
CHAPTER: 2 THEORETICAL PERSPECTIVES OF THE STUDY

In this chapter there is a discussion about the meaning of the intelligence, types of intelligence, concept of spiritual intelligence and dimensions of spiritual intelligence.

CHAPTER: 3 REVIEWS RELATED TO THE PREVIOUS STUDIES

In this chapter, the detail information regarding the researches done at Ph.D., M.Phil. M.Ed. and research paper’s. Detail like Research objectives, population, Sample, method, research tool, method of study and findings were discussed as well as how this research is differ from past researchers related to this research, will be given in detail.

CHAPTER: 4 RESEARCH DESIGN

In this, chapter a detailed discussion about different steps of the research like the population, selection of the sample, methodology of the research, research tool, and methods of data-collection and analysis of the data collected are made.

CHAPTER: 5 CONSTRUCTION OF THE SPIRITUAL INTELLIGENCE SCALE

In this chapter, a detailed discussion about construction of Spiritual Intelligence scale like steps of construction of scale, pre-piloting, primary try-out and final form of spiritual intelligence scale for data collection and scoring method of spiritual intelligence scale were discussed.
CHAPTER: 6 RELIABILITY AND VALIDITY OF THE SPIRITUAL INTELLIGENCE SCALE

In this chapter, a detailed discussion about various methods used for determine reliability and validity of spiritual intelligence scale were discussed.

CHAPTER: 7 ANALYSIS AND INTERPRETATIONS OF THE DATA

In this chapter, the details regarding the analysis and interpretation of the data collected are covered. The information will be analyzed keeping into consideration the objectives and hypothesis of this research. A detailed discussion regarding the analysis and interpretation of the data and norms of the spiritual intelligence scale.

CHAPTER: 8 RESEARCH SUMMARY, FINDING, CONCLUSION AND SUGGESTIONS

In this chapter, research the conclusions drawn at the end of the research are described. Findings, Necessary recommendations and suggestions for any further research in this field are also provided.
REFERENCES


10. http://medind.nic.in/jak/t06/i1/jakt06i1p227.pdf


