

## **Developing Spiritual Intelligence Scale in Indian Scenario**

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### **Abstract**

Based on Determinants of Spiritual Intelligence in Indian Scenario (Srivastava, 2017), a theoretical framework in which 11 major determinants of Spiritual Intelligence emerged in our society. They are: (1) Physical Spirituality, (2) Intellectual Spirituality, (3) Psychological Spirituality, (4) Social Spirituality, (5) Emotional Spirituality, (6) Ethical Spirituality, (7) Aesthetical Spirituality, (8) Religious Spirituality, (9) Modern Spirituality, (10) Divine traits Spirituality, and (11) Yoga and Meditation. Spiritual Intelligence Scale in Indian Scenario in English has been developed to measure various aspects of Spiritual Intelligence. Details have been given about the psychological nature of the test, items selection, and try out, scoring and item analysis. Different procedures followed for estimating reliability and validity of this test has also been presented. Data has also been presented regarding the test of normality, for standardization of the test, different type of norms have been established for meaningful interpretation of scores.

### **Introduction**

Spiritual intelligence is consisted of two words-spiritual and intelligence. The word spiritual derived from Latin word *spiritus*, which means “that gives life or vitality to a system.”(Zohar, 1997). Zohar (1997) asserted that the constructs of ‘spiritual’ and ‘intelligence’ are related with one another. The relation between the spiritual and intelligence is what constitute “spiritual intelligence” which is the factor to a well-being of a person and for fulfilling life. Zohar (1997) coined the term ‘Spiritual Intelligence’ and introduced the idea of it “It is the intelligence that makes us whole, that gives us our integrity. It is the soul’s intelligence, the intelligence of the deep self. It is the intelligence with which we ask fundamental questions and with which we reframe our answers (Zahar and Marshall 1999).” Further, Zahar and Marshall (2000) defined spiritual intelligence as “the intelligence with which we address and solve problems of meaning and value ,the intelligence with which we can place our actions and our lives in a wider, richer, meaning –giving context , the intelligence with which we can assess that one course of action or

life-path is more meaningful than another.”

Working with a paper ‘Spiritual Intelligence: An Overview’, Srivastava (2016) defined Spiritual Intelligence as “it is intelligence which helps to fulfill the potentialities of the individuals’ abilities through the non-cognitive virtues to prepare them to solve the everyday problems for life creatively and constructively in the new situation of the socio-psycho-physical environment for attaining the highest knowledge and wisdom, if the teachers enable to modify such kind of behavior patterns of individuals, - this is spiritual intelligence.”

Srivastava (2016) concluded the Indian philosophers’ views fall in the context of a new psychological concept

of Spiritual Intelligence. Srivastava (2016) defined ‘Spiritual Intelligence’ as “it is an ability which helps to fulfill the potentialities of the individual’s practical and real life perspective through thought and action philosophy which provides an understanding of his environment to solve the everyday problems constructively in order to gain the highest knowledge and wisdom for building his/her self-concept, self-control, self-esteem, self-determination, self-confidence, and self-development, if the teachers enable to modify such kind of patterns of individual, - this is spiritual intelligence.” Working with another paper Srivastava (2016) defined ‘Spiritual Intelligence’ as “it is intelligence which helps to fulfill the potentialities of the individuals’ abilities through the three disciplines of action, knowledge and devotion which establishes the identity of the individual soul with Supreme soul to lead to supreme bliss in order to gain the highest knowledge and wisdom, if the teachers enable to modify such kind of discipline patterns of individuals,- **this is spiritual intelligence.**”

The procedure of test construction consists of a number of steps. It starts with the collection of items and ends with a refined tool which has some specific characteristics. Anastasi (1976) has defined a psychological test to be “An objective and standardized measure of a sample of behavior”. In the process of making a test objective and preparing it as standardized test, there should be at least essential characteristics, namely objectivity, reliability, validity and norms.

### **Objective of the Study**

To construct and standardize a psychometric instrument for measuring spiritual intelligence of University students

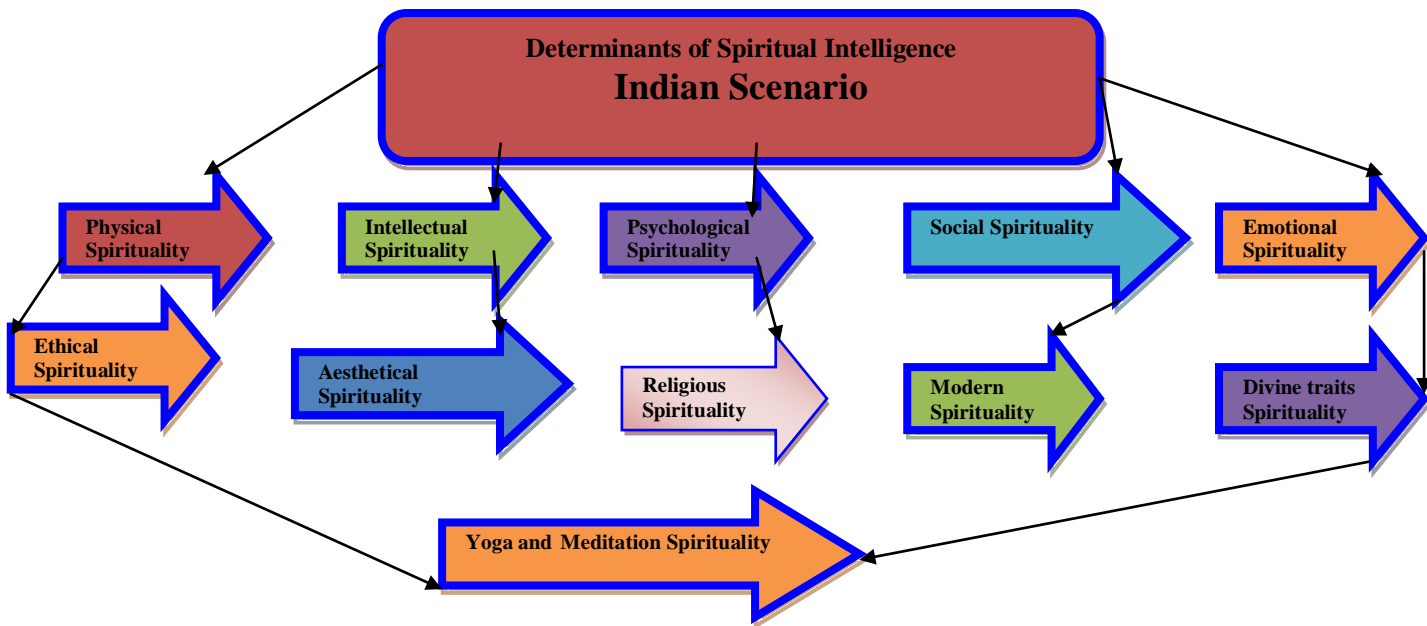
## Steps of Construction

For constructing the scale the Likert's method which is widely common and used in education is applied. According to this method, the following steps were observed for constructing the scale-

- 1) After studying and examining the determinants of spiritual intelligence, large number of items was depicted and as many as possible items were constructed to measure the spiritual intelligence scale.
- 2) The items were screened and scaled in five points i.e. Strongly Disagree, Disagree, Neutral, Agree and Strongly Agree.
- 3) Prepared the preparation-form of the scale and evaluated the statements in preparation form of the scale
  - 4) Selected the statements for the inclusion in the pilot study.
  - 5) Administration of the pilot scale for the purpose of analyzing the statements.
  - 6) Determining the validity and reliability of the scale.
  - 7) Administration of the final form of the scale to measure the spiritual intelligence of the Icfai University Tripura.

## Collection of Item

. The items prepared were constructed from the following domain- Physical spirituality, Intellectual spirituality, Psychological spirituality, Social spirituality, Emotional spirituality, Ethical spirituality, Aesthetical spirituality, Religion spirituality, Modern spirituality, Divine traits spirituality, and Yoga and Meditation spirituality.

**FIGURE-1**

### Item Selection

In order to make the test efficient and useful, the relevance of a particular item is determined in terms of its relationship with various domains of Spiritual Intelligence by experts in the field. In this way the numbers of items are reduced considerably. The items were thoroughly screened and edited.

Pre-tryout of the Spiritual Intelligence Scale containing 193 items, were prepared and then administered on 30 students of the ICFAI University to see its practicability and readability.

On the basis of the analysis of the results of the pre-try-out some items were rejected and some others were modified. Thus a second draft of Spiritual Intelligence Scale containing 167 items is prepared. It was then, administered on 50 students in real testing conditions. Again some of the items with low discrimination and some others containing difficult words were removed. The final test contained 120 items.

### Try Out and Scoring

After administering the scale, the next task was to score the scale according to the predetermined scoring key. The key for scoring the scale the scale is as under. In case of the Items which depicts a positive opinion, the scoring was done as shown below:-

Strongly Disagree = 1 Score, Disagree = 2 Score, Neutral = 3 Score, Agree = 4 Score, Strongly Agree = 5 Score

While in case of the Items depicting negative opinion, the scoring was done in a reverse order that is:-

Strongly Disagree = **5** Score,                      Disagree = **4** Score,                      Neutral = **3** Score,

Agree = **2** Score,    Strongly Agree = **1** Score

In this way, the Items which were depicting positive opinion would score 1 to 5 and the negative opinion scored 5 to 1. This data was utilized for the purpose of item analysis.

### **Item Analysis**

After administration of the Scale over a group of randomly selected students from ICFAI University Tripura, the answer sheets have been scored. Item analysis was carried out to eliminate inconsistency of the items. In order to analyze each item, in usual practice of comparing the proportion of cases who are placed in High and Low groups was followed. Thereafter following Kelly that sharpness of differentiation and reliability of statistics reached when higher 27 percent of the sample is compared with lower 27 percent two criterion groups were formed for item analysis. In order to test for item discriminations, 't'-test was applied. The items which have significant' ratio at the level of either 0.01 or 0.05 level have been selected. Following the process 28 items were discarded and thus the final form of Spiritual Intelligence Scale (SIS) contained 92 items which covers 79 positive and 13 negative items.

**TABLE- 1 showing Item Analysis Worksheet**

| ITEM NO. | Higher Group (MEAN) | Higher Group (S D ) | Lower Group (MEAN) | Lower Group (S D) | Degree of Freedom | t-Value | Level of Significance |
|----------|---------------------|---------------------|--------------------|-------------------|-------------------|---------|-----------------------|
| 1        | 3.35                | 1.14                | 2.62               | 1.04              | 126               | 3.65    | 0.01                  |
| 2        | 3.87                | 1.11                | 3.32               | 1.06              | 126               | 2.75    | 0.01                  |
| 3        | 2.68                | 1.06                | 2.69               | 1.25              | 126               | 0.5     | NS                    |
| 4        | 4.38                | 1.18                | 3.47               | 1.31              | 126               | 4.14    | 0.01                  |
| 5        | 3.35                | 1.26                | 3.24               | 1.32              | 126               | 0.46    | NS                    |
| 6        | 3.62                | 1.39                | 2.81               | 1.06              | 126               | 3.68    | 0.01                  |
| 7        | 4.47                | 1                   | 3.66               | 1.42              | 126               | 3.68    | 0.01                  |
| 8        | 3.9                 | 1.07                | 3.22               | 1.34              | 126               | 3.09    | 0.01                  |
| 9        | 1.77                | 0.74                | 2.51               | 1.31              | 126               | 3.89    | 0.01                  |
| 10       | 3.33                | 1.25                | 2.97               | 1.31              | 126               | 1.5     | NS                    |
| 11       | 3.85                | 0.98                | 3.07               | 1.1               | 126               | 3.9     | 0.01                  |
| 12       | 4.05                | 1.12                | 3.72               | 1.27              | 126               | 1.65    | NS                    |
| 13       | 4.23                | 1.19                | 3.5                | 1.19              | 126               | 3.65    | 0.01                  |
| 14       | 4.2                 | 1.07                | 3.62               | 1.2               | 126               | 2.9     | 0.01                  |
| 15       | 2.93                | 0.96                | 2.97               | 1.18              | 126               | 0.2     | NS                    |
| 16       | 2.35                | 1.27                | 2.81               | 1.33              | 126               | 2.3     | 0.05                  |
| 17       | 2.7                 | 1.32                | 2.84               | 1.25              | 126               | 0.7     | NS                    |
| 18       | 2.47                | 1.24                | 2.56               | 1.16              | 126               | 0.4     | NS                    |
| 19       | 4.27                | 1.07                | 3.59               | 1.16              | 126               | 3.4     | 0.01                  |
| 20       | 3.6                 | 1.45                | 3.09               | 1.28              | 126               | 2.13    | 0.05                  |
| 21       | 3.4                 | 1.41                | 3.13               | 1.2               | 126               | 1.35    | NS                    |
| 22       | 3.53                | 1.16                | 2.97               | 1.17              | 126               | 2.8     | 0.01                  |
| 23       | 3.57                | 1.3                 | 2.99               | 1.32              | 126               | 2.9     | 0.01                  |
| 24       | 2.47                | 1.23                | 2.76               | 1.31              | 126               | 1.45    | NS                    |
| 25       | 3                   | 1.47                | 2.75               | 1.29              | 126               | 1.25    | NS                    |
| 26       | 3                   | 1.54                | 3.03               | 1.27              | 126               | 0.03    | NS                    |
| 27       | 3.37                | 1.25                | 3.49               | 1.11              | 126               | 0.6     | NS                    |
| 28       | 3.87                | 1.28                | 3.03               | 1.31              | 126               | 3.5     | 0.01                  |
| 29       | 3.47                | 1.26                | 2.81               | 1.19              | 126               | 2.3     | 0.05                  |
| 30       | 3.48                | 0.96                | 2.76               | 1.11              | 126               | 3.6     | 0.01                  |
| 31       | 4.5                 | 1                   | 3.75               | 1.41              | 126               | 3.41    | 0.01                  |
| 32       | 3.13                | 1.24                | 3                  | 1.09              | 126               | 0.59    | NS                    |
| 33       | 3.05                | 1.58                | 2.75               | 1.4               | 126               | 1.15    | NS                    |
| 34       | 3.83                | 1                   | 3.35               | 1.33              | 126               | 2.18    | 0.05                  |
| 35       | 4.63                | 0.96                | 3.76               | 1.22              | 126               | 4.35    | 0.01                  |
| 36       | 4.23                | 1.08                | 3.21               | 1.29              | 126               | 5.1     | 0.01                  |
| 37       | 3.95                | 1.05                | 2.97               | 1.29              | 126               | 4.9     | 0.01                  |

|    |      |      |      |      |     |      |      |
|----|------|------|------|------|-----|------|------|
| 38 | 4.05 | 1.15 | 2.93 | 1.08 | 126 | 5.6  | 0.01 |
| 39 | 4.35 | 1.19 | 3.71 | 1.35 | 126 | 2.91 | 0.01 |
| 40 | 3.88 | 1.1  | 3.47 | 1.26 | 126 | 2.05 | 0.05 |
| 41 | 4.6  | 1.04 | 3.69 | 1.49 | 126 | 4.14 | 0.01 |
| 42 | 3.92 | 0.93 | 3.25 | 1.24 | 126 | 3.94 | 0.01 |
| 43 | 4.12 | 1.12 | 2.85 | 1.23 | 126 | 6.35 | 0.01 |
| 44 | 3.98 | 1.07 | 3.16 | 1.14 | 126 | 4.1  | 0.01 |
| 45 | 3.17 | 1.11 | 2.69 | 1.34 | 126 | 2.18 | 0.05 |
| 46 | 3    | 1.34 | 2.71 | 1.28 | 126 | 1.32 | NS   |
| 47 | 3.68 | 1.41 | 3.24 | 1.14 | 126 | 2    | 0.05 |
| 48 | 3.87 | 1.36 | 3.29 | 1.16 | 126 | 2.64 | 0.01 |
| 49 | 3.23 | 1.21 | 2.91 | 1.12 | 126 | 1.6  | NS   |
| 50 | 3.78 | 1.33 | 3.01 | 1.47 | 126 | 3.21 | 0.01 |
| 51 | 4.3  | 1.43 | 3.25 | 1.65 | 126 | 4.04 | 0.01 |
| 52 | 4.35 | 1.05 | 3.16 | 1.25 | 126 | 5.95 | 0.01 |
| 53 | 3.93 | 1.01 | 3.13 | 1.08 | 126 | 4    | 0.01 |
| 54 | 3.35 | 1.44 | 2.96 | 1.28 | 126 | 1.77 | NS   |
| 55 | 4.22 | 1.02 | 3.16 | 1.33 | 126 | 4.82 | 0.01 |
| 56 | 3.45 | 1    | 2.65 | 1.24 | 126 | 4    | 0.01 |
| 57 | 3.57 | 1    | 2.99 | 1.21 | 126 | 2.9  | 0.01 |
| 58 | 3.12 | 1.45 | 3.06 | 1.35 | 126 | 0.23 | NS   |
| 59 | 4.15 | 0.85 | 3.04 | 1.18 | 126 | 6.53 | 0.01 |
| 60 | 3.73 | 0.72 | 2.85 | 1.33 | 126 | 4.4  | 0.01 |
| 61 | 3    | 1.42 | 3.09 | 1.26 | 126 | 0.41 | NS   |
| 62 | 3.52 | 0.89 | 2.75 | 1.37 | 126 | 3.85 | 0.01 |
| 63 | 4.1  | 1.16 | 3.31 | 1.34 | 126 | 3.59 | 0.01 |
| 64 | 3.62 | 1.55 | 2.91 | 1.39 | 126 | 2.73 | 0.01 |
| 65 | 4.13 | 1.18 | 3.15 | 1.29 | 126 | 4.9  | 0.01 |
| 66 | 4.1  | 1.17 | 2.93 | 1.3  | 126 | 5.85 | 0.01 |
| 67 | 2.73 | 1.1  | 2.62 | 1.1  | 126 | 0.55 | NS   |
| 68 | 3.28 | 1.27 | 2.93 | 1.31 | 126 | 1.46 | NS   |
| 69 | 3.83 | 0.91 | 3    | 1.3  | 126 | 4.88 | 0.01 |
| 70 | 2.87 | 1.16 | 2.79 | 1.45 | 126 | 0.36 | NS   |
| 71 | 4.2  | 1.74 | 3.01 | 1.21 | 126 | 4.58 | 0.01 |
| 72 | 4.02 | 1.15 | 3.09 | 1.26 | 126 | 4.65 | 0.01 |
| 73 | 4.37 | 1.18 | 2.99 | 1.22 | 126 | 6.9  | 0.01 |
| 74 | 4.57 | 0.98 | 3.34 | 1.39 | 126 | 5.59 | 0.01 |
| 75 | 3.65 | 1.16 | 2.81 | 1.3  | 126 | 4.2  | 0.01 |
| 76 | 2.85 | 1.41 | 2.32 | 1.11 | 126 | 2.41 | 0.05 |
| 77 | 3.8  | 1.33 | 3.06 | 1.3  | 126 | 3.08 | 0.01 |
| 78 | 3.27 | 0.85 | 2.72 | 1.39 | 126 | 2.75 | 0.01 |
| 79 | 3.67 | 0.8  | 2.56 | 1.15 | 126 | 6.53 | 0.01 |

|     |      |      |      |      |     |      |      |
|-----|------|------|------|------|-----|------|------|
| 80  | 4.4  | 1.05 | 3.13 | 1.44 | 126 | 5.77 | 0.01 |
| 81  | 3.58 | 0.86 | 2.51 | 1.16 | 126 | 6.29 | 0.01 |
| 82  | 3.2  | 1.15 | 2.68 | 1.26 | 126 | 2.6  | 0.05 |
| 83  | 3.72 | 1.44 | 2.66 | 1.37 | 126 | 4.63 | 0.01 |
| 84  | 3.05 | 1.06 | 2.75 | 1.23 | 126 | 1.5  | NS   |
| 85  | 3.17 | 1.26 | 3.01 | 1.34 | 126 | 0.73 | NS   |
| 86  | 2.82 | 1.25 | 2.9  | 1.38 | 126 | 0.33 | NS   |
| 87  | 4.5  | 1.06 | 3.21 | 1.41 | 126 | 5.38 | 0.01 |
| 88  | 3.8  | 1.22 | 2.82 | 1.28 | 126 | 4.9  | 0.01 |
| 89  | 3.78 | 1.21 | 2.79 | 1.42 | 126 | 4.5  | 0.01 |
| 90  | 2.68 | 1.18 | 2.89 | 1.33 | 126 | 0.95 | NS   |
| 91  | 4.43 | 1.18 | 2.87 | 1.38 | 126 | 7.09 | 0.01 |
| 92  | 4.12 | 1.11 | 3.5  | 1.64 | 126 | 2.58 | 0.05 |
| 93  | 3.75 | 1.22 | 2.87 | 1.3  | 126 | 4.4  | 0.01 |
| 94  | 3.55 | 1.13 | 2.91 | 1.09 | 126 | 3.2  | 0.01 |
| 95  | 3.87 | 0.98 | 2.79 | 1.26 | 126 | 5.4  | 0.01 |
| 96  | 3.8  | 1.11 | 3.18 | 1.2  | 126 | 3.1  | 0.01 |
| 97  | 3.3  | 1.34 | 2.6  | 1.25 | 126 | 3.18 | 0.01 |
| 98  | 2.42 | 1.03 | 2.76 | 1.23 | 126 | 1.7  | NS   |
| 99  | 3.75 | 0.98 | 3.04 | 1.26 | 126 | 3.55 | 0.01 |
| 100 | 4.45 | 1.06 | 3.16 | 1.4  | 126 | 5.86 | 0.01 |
| 101 | 3.62 | 1.21 | 2.84 | 1.26 | 126 | 3.9  | 0.01 |
| 102 | 4.58 | 1.16 | 3.13 | 1.6  | 126 | 6.04 | 0.01 |
| 103 | 4.05 | 1.12 | 2.9  | 1.38 | 126 | 5.23 | 0.01 |
| 104 | 4.25 | 1    | 3.12 | 1.42 | 126 | 5.14 | 0.01 |
| 105 | 3.58 | 1.16 | 3.1  | 1.31 | 126 | 2.18 | 0.05 |
| 106 | 4.4  | 1.06 | 3.07 | 1.32 | 126 | 6.05 | 0.01 |
| 107 | 4.37 | 1.12 | 3.03 | 1.37 | 126 | 6.09 | 0.01 |
| 108 | 3.25 | 1.27 | 2.43 | 1.06 | 126 | 3.73 | 0.01 |
| 109 | 3.18 | 1.13 | 2.75 | 1.16 | 126 | 2.15 | 0.05 |
| 110 | 2.12 | 0.96 | 2.47 | 1.26 | 126 | 1.75 | NS   |
| 111 | 3.83 | 1.16 | 2.6  | 1.34 | 126 | 5.59 | 0.01 |
| 112 | 3.75 | 1    | 2.79 | 1.28 | 126 | 4.8  | 0.01 |
| 113 | 4.12 | 0.83 | 2.93 | 1.27 | 126 | 7    | 0.01 |
| 114 | 4.52 | 0.99 | 3.03 | 1.42 | 126 | 6.77 | 0.01 |
| 115 | 4.03 | 1.26 | 3.02 | 1.48 | 126 | 4    | 0.01 |
| 116 | 4.25 | 1.17 | 2.85 | 1.4  | 126 | 6.36 | 0.01 |
| 117 | 4.23 | 1.14 | 2.79 | 1.19 | 126 | 7.2  | 0.01 |
| 118 | 3.48 | 1.79 | 2.68 | 0.88 | 126 | 3.33 | 0.01 |
| 119 | 4.48 | 1.01 | 2.99 | 1.27 | 126 | 7.43 | 0.01 |
| 120 | 2.98 | 1.23 | 2.54 | 1.26 | 126 | 2    | 0.05 |



**TABLE – 2 showing Distribution of items in Eleven determinants of Spiritual Intelligence Scale**

| <b>DOMAINS</b>                       | <b>POSITIVE ITEMS</b>                 | <b>NEGATIVE ITEMS</b> |
|--------------------------------------|---------------------------------------|-----------------------|
| <b>1.Physical Spirituality</b>       | 1,,40,44,66,74,82,103                 | -----                 |
| <b>2.Intellectual Spirituality</b>   | 28, 47, 108                           | 9,83,                 |
| <b>3.Psychological Spirituality</b>  | 11,45,59,,99,100,<br>104,111,114,119, | -----                 |
| <b>4.Social Spirituality</b>         | ,19,29,52,,87,88                      | -----                 |
| <b>5.Emotional Spirituality</b>      | 20,50,89,91, 101,105,112,117          | 51, 120               |
| <b>6.Ethical Spirituality</b>        | 34,43,60,77,92,94                     | 93,95,                |
| <b>7.Aesthetical Spirituality</b>    | 7,14,35,42,53,71,78                   | 102, 109              |
| <b>8.Religious Spirituality</b>      | 2,6,13,22,57,62,69, 79,36,113,        | 76                    |
| <b>9.Modern Spirituality</b>         | 30,37,56,63,80,106                    | ,97                   |
| <b>10.Divine Traits Spirituality</b> | 8,23,31,38,55,72,81,96,118            | 64          64        |
| <b>11.Yoga and Meditation</b>        | 4,39,41,48,65,75,107,73,116           | 16, 115    16,58,115  |
| <b>Total no. of Items</b>            | 79                                    | 13                    |

**Test of Normality**

The mean, median and SD for the group are given in table 3. The distribution appears to be slightly negatively skewed.

**TABLE – 3 showing Mean, Median, SD, SK and KU**

| Indices | Mean   | Median | Mode   | S.D  | Skewness | Kurtosis |
|---------|--------|--------|--------|------|----------|----------|
| Value   | 453.19 | 413.73 | 335.83 | 52.8 | -18.9    | 0.26     |

Table 3 presents the data about the skewness and kurtosis on the results found on above mentioned sample. The results indicate that the distribution of the scores is very near to normal distribution.

### **Reliability**

Reliability is one of the important characteristic of any test. It refers to trustworthiness of the test. Reliability means consistency of scores obtained by same individual when re-examined with the test on different sets of equivalent items or under other variable examining conditioning (Anastasi, 1968).

### **Validity**

Validity refers to truthfulness of the test. Validation of any test is difficult if it is understood in terms of what the test purports to measure. An index of validity shows the degree to which a test measures what it purpose to measure when compared with accepted criterion (Freeman, 1962). In present study the index of reliability is taken as validity coefficient. Thus the validity coefficient is the square root of reliability coefficient.

**TABLE – 4 showing Reliability and Index of Reliability (Validity Coefficient)**

| Method                    | Reliability | Index of reliability |
|---------------------------|-------------|----------------------|
| Test–Retest Method        | 0.75        | 0.86                 |
| Split Half Method         | 0.55        | 0.74                 |
| Kuder – Richordson Method | 0.676       | 0.82                 |

### **Norms**

A raw score on any psychological test is meaningless in the absence of additional interpretive data, called ‘norms’. Norms represent the test performance of the standardization sample. According to Anastasi, 1982, P – 65), “The norms are thus empirically established by determining what the persons in a representative group actually do on the test.” Any individual’s raw scores are then compared with the norms for interpretation. In this present study, Percentile norms have been computed for the whole Spiritual Intelligence Scale.

**TABLE – 5 showing Percentile Norms**

|          |   |     |                   |
|----------|---|-----|-------------------|
| $P_{90}$ | = | 447 |                   |
| $P_{80}$ | = | 434 |                   |
| $P_{75}$ | = | 431 | High Achievers    |
| $P_{70}$ | = | 427 |                   |
| $P_{60}$ | = | 420 |                   |
| $P_{50}$ | = | 413 | Average Achievers |
| $P_{40}$ | = | 406 |                   |
| $P_{30}$ | = | 399 |                   |
| $P_{25}$ | = | 388 | Low Achievers     |
| $P_{20}$ | = | 376 |                   |
| $P_{10}$ | = | 342 |                   |

The subjects can be classified into five categories in accordance with the raw scores obtained by them on the Spiritual Intelligence Scale. The five different categories of Scale are ‘ A ’ which stands for Excellent, ‘ B ’ which stands for Good, ‘ C ’ which stands for Average, ‘ D ’ which stands for ‘ Satisfactory ’ and ‘ E ’ which stands for ‘ Unsatisfactory ’ spiritual intelligence. The categorization has been made by dividing the base line of the normal curve into five equal parts.

**TABLE- 6 showing Spiritual Intelligence in terms of different Categories**

| <b>.Category</b> | <b>Description</b>    | <b>Range of Scores</b> |
|------------------|-----------------------|------------------------|
| <b>A</b>         | <b>Excellent</b>      | <b>466 and above</b>   |
| <b>B</b>         | <b>Good</b>           | <b>415- 465</b>        |
| <b>C</b>         | <b>Average</b>        | <b>361- 414</b>        |
| <b>D</b>         | <b>Satisfactory</b>   | <b>309- 360</b>        |
| <b>E</b>         | <b>Unsatisfactory</b> | <b>308 and below</b>   |

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### APPENDIX-1----- Spiritual Intelligence Scale

|   |              |
|---|--------------|
| 1. You often feel that lack of energy in your body lower your intelligence level. | SD. D N A SA |
| 2. You are a religious person.  | SD D N A SA  |
| *3. You always think that you are right.  | SD D N A SA  |
| 4. Yoga develops our mind.  | SD D N A SA  |
| *5. We are secure in our democracy country.                                       | SD D N A SA  |
| 6. Religious is a source of greatest happiness for you.                           | SD D N A SA  |
| 7. Beauty of nature brings joy within us.   | SD D N A SA  |
| 8. Your personality can be changed.   | SD D N A SA  |
| 9. Study is a creativity work.  | SD D N A SA  |
| *10. You have fear for examination  | SD D N A SA  |
| 11. Psychology is closer to medicine in the field of knowledge.                   | SD D N A SA  |
| *12. You have a good relation with the people in your society.                    | SD D N A SA  |
| 13. God exists inside our soul  | SD D N A SA  |
| 14. We can interact with the beauty of nature.                                    | SD D N A SA  |
| *15. Your decision always makes you right.  | SD D N A SA  |
| 16. Sleeping is a meditation.   | SD D N A SA  |
| *17. You feel angry when you are judged by other.                                 | SD D N A SA  |
| *18. In larger society, violence is high.   | SD D N A SA  |
| 19. You also learn moral values from the society.                                 | SD D N A SA  |
| 20. You feel lonely when you are alone at home.                                   | SD D N A SA  |
| *21. Morality can be taught only at school.                                       | SD D N A SA  |
| 22. Traditions are transferred through religion.                                  | SD D N A SA  |
| 23. You don't have the desire to harm whom you hate.                              | SD D N A SA  |
| *24. Creativity is a convergent thinking.   | SD D N A SA  |
| *25. You never feel exhausted when you are tired.                                 | SD D N A SA  |
| *26. You are satisfied with your health condition.                                | SD D N A SA  |
| *27. Joining different courses is a critical thinking.                            | SD D N A SA  |
| 28. Everyone does not have a high intelligence level.                             | SD D N A SA  |
| 29. You don't like talking to strangers.  | SD D N A SA  |
| 30. You can identify an unusual object as soon as you see it.                     | SD D N A SA  |
| 31. You feel proud for your nation.   | SD D N A SA  |
| *32. You showed positive attitude when you are tired.                             | SD D N A SA  |
| *33. You feel jealous when someone scored higher marks than you.                  | SD D N A SA  |
| 34. Having ethical spirituality makes you perfect at work.                        | SD D N A SA  |
| 35. The nature is wonderful.  | SD D N A SA  |
| 36. Religion helps us to live in a disciple manner.                               | SD D N A SA  |
| 37. Humanism is interrelated to religious philosophy.                             | SD D N A SA  |
| 38. Religion helps us to live in a discipline manner.                             | SD D N A SA  |
| 39. Yoga practice is necessary in the school.                                     | SD D N A SA  |
| 40. Old person can also have high spirituality.                                   | SD D N A SA  |
| 41. Yoga benefits our physical health.  | SD D N A SA  |
| 42. Aesthetical spiritual is connected with our emotion.                          | SD D N A SA  |
| 43. Each individual has different code of conduct i.e. right or wrong.            | SD D N A SA  |
| 44. You are highly aware of good physical health.                                 | SD D N A SA  |
| 45. You are psychologically spiritual person by birth.                            | SD D N A SA  |
| *46. Good social relationship is first taught only at school.                     | SD D N A SA  |
| 47. Conscious mind is the result of creativity thinking.                          | SD D N A SA  |
| 48. Yoga and meditation brings harmony in our life.                               | SD D N A SA  |
| *49. You don't have sound interaction with other.                                 | SD D N A SA  |
| 50. We feel angry when our desire is not fulfill.                                 | SD D N A SA  |
| 51. We feel happy when we fail in exam.   | SD D N A SA  |
| 52. To develop our culture, good social relationship will be beneficial.          | SD D N A SA  |
| 53. Our emotion is connected with art and its beauty.                             | SD D N A SA  |
| *54. Through religion, some people manipulate or control other people.            | SD D N A SA  |
| 55. You always keep your surrounding clean.                                       | SD D N A SA  |
| 56. You are highly aware of non material aspect of life.                          | SD D N A SA  |
| 57. Being religious always have good personality trait.                           | SD D N A SA  |
| *58. Mentally ill person can perform yoga.  | SD D N A SA  |
| 59. One of the central aspects of psychology is to promote healthy behavior.      | SD D N A SA  |
| 60. Our ethical and learned behavior is utilized together.                        | SD D N A SA  |
| *61. You cannot see the beauty of nature with your eyes closed.                   | SD D N A SA  |
| 62. You learned morality through religion.  | SD D N A SA  |
| 63. You are a free minded person.   | SD D N A SA  |
| 64. Greed in human beings brings joy in our life.                                 | SD D N A SA  |
| 65. Meditation keeps us healthy.  | SD D N A SA  |
| 66. Our physical health is depended on our diet.                                  | SD D N A SA  |
| *67. You always trust your intuition.   | SD D N A SA  |
| *68. You react emotionally in your society.                                       | SD D N A SA  |
| 69. Religion teaches us how to live in the society.                               | SD D N A SA  |
| *70. You agreed that abnormal person is not spiritual.                            | SD D N A SA  |

|   |             |
|---|-------------|
| 71. Art and its beauty are essentially related.                                       | SD D N A SA |
| 72. A person with good personality will always help other.                            | SD D N A SA |
| 73. Meditation makes a person self discipline.  | SD D N A SA |
| 74. Your physical health is important.  | SD D N A SA |
| 75. Knowledge is gain through meditation.   | SD D N A SA |
| 76. You are engaged in religion custom because everybody in your society does.        | SD D N A SA |
| 77. We have different character from inner soul.                                      | SD D N A SA |
| 78. You are satisfied with what you see in the aesthetic world.                       | SD D N A SA |
| 79. Religion is important because it helps you to link between you and your ancestor. | SD D N A SA |
| 80. We have right to shape our own life.  | SD D N A SA |
| 81. Divine trait persons cultivate spiritual knowledge.                               | SD D N A SA |
| 82. Your behavior depends on your physical body.                                      | SD D N A SA |
| 83. You can take the right decision when your mind is dull.                           | SD D N A SA |
| *84. You have broader concept of any related ideas.                                   | SD D N A SA |
| *85. Only spiritual person have a good social relationship.                           | SD D N A SA |
| *86. You hesitate to study in group sometimes.  | SD D N A SA |
| 87. Social interaction is necessary.  | SD D N A SA |
| 88. You often have direct interaction with other people.                              | SD D N A SA |
| 89. You feel depressed when you cannot complete your homework.                        | SD D N A SA |
| *90. You behave in a violent way when someone teases you.                             | SD D N A SA |
| 91. Negative emotions only leads to problem in life.                                  | SD D N A SA |
| 92. Good leaders have good ethics.  | SD D N A SA |
| 93. You make the right decisions when you are confused.                               | SD D N A SA |
| 94. A team can also take the right decision.  | SD D N A SA |
| 95. Negligence in homework is a right code of conduct.                                | SD D N A SA |
| 96. You are truthful to your family.  | SD D N A SA |
| 97. Achieving to superior spiritual state is harmful for an individual.               | SD D N A SA |
| *98. Your teacher sometimes makes you angry in the class.                             | SD D N A SA |
| 99. You feel motivated when you are inside the class.                                 | SD D N A SA |
| 100. You feel happy when you are motivated.   | SD D N A SA |
| 101. You can control your emotion.  | SD D N A SA |
| 102. You don't like the beauty of nature.   | SD D N A SA |
| 103. Healthy heart is important for high spiritual level.                             | SD D N A SA |
| 104. Sometimes we are mentally disturbed by other.                                    | SD D N A SA |
| 105. You loved to study in the library.   | SD D N A SA |
| 106. Moral values are important aspect of our life.                                   | SD D N A SA |
| 107. Meditation leads to inner peace.   | SD D N A SA |
| 108. We have intellectual spirituality from birth.                                    | SD D N A SA |
| 109. We can experience the beauty without our perception.                             | SD D N A SA |
| *110. You are disappointed when you are wrong.  | SD D N A SA |
| 111. Poor academic performance in school results in a lack of confidence.             | SD D N A SA |
| 112. Emotions are generated from our current life situation.                          | SD D N A SA |
| 113. Belief in a person modifies his behavior.  | SD D N A SA |
| 114. Motivation helps in achieving our goal.  | SD D N A SA |
| 115. You don't accept yoga philosophy   | SD D N A SA |
| 116. Meditation helps you to identify your inner soul.                                | SD D N A SA |
| 117. Emotions can be controlled by practicing yoga.                                   | SD D N A SA |
| 118. Reading of Scared Books teaches us how to control our mind.                      | SD D N A SA |
| 119. Teacher's bad influence affects the student achievement.                         | SD D N A SA |
| 120. You response quickly to any negative emotions                                    | SD D N A SA |

Note: \* indicates non-significant items and no of NS Items are 28.