



Emotional Maturity in Relation to Mental Ability of High School Students

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In this study, an attempt has been made to study the emotional maturity in relation to mental ability of high school students. Emotional maturity scale constructed and standardized by Singh P. Y and Bharagava .M (1990) and Mental Ability) Intelligence test by Dr.S.K.Pal & Dr.K.S.Misra(1990), were used to collect the data from a sample of 200 high school students studying in Cuddalore District of Tamilnadu State in India. The survey method had been followed and simple random sampling technique was used in administration of the research tools. The result of the analysis reveals that the low level of emotional maturity and high mental ability of high school students and there is no significant relationship between emotional maturity and mental ability of high school students.

Keywords: *Emotional Maturity, Mental Ability, High School Students, Academic Development, Student Psychology.*



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1. Introduction

Emotional maturity is not something that is automatically given to someone when they turn 18. It isn't something that necessarily grows with chronological age, i.e. you don't get more emotionally mature when you get older. Some adults are very emotionally immature; some have never matured emotionally. Emotional maturity is something that we must develop in our lives by knowing how to respond to situations in mature and responsible manner.

Although there is no universally agreed definition of intelligence, there does seem to be general agreement that biological intelligence is

important for self-protection and seeking advantage. So, intelligence can be reasonably defined as the ability to learn for the purpose of doing something more effectively in order to gain advantage.

2. Need and Significance of the Study

In general, students differ in their emotional maturity as well as in their field of confidence and in interest. Though the teachers provide the same type of instruction to all students in the class room, some of them are very high and some of them are very low in their characters and the ability of facing the problem.

The parents and teachers expect their children to do better as they provide all facilities they can in and outside their house. Therefore, present study considering the characteristics of the emotional maturity person. The investigator felt the need to study the emotional maturity of the student and emotional maturity is the key factor for self control of an individual and their characters and Students ability to face the problem mostly closed with their intelligence. In the present condition, the students studying in the school level are exposed to various factors. Even in the home and outside variety of entertainment elements and other factors are influencing them. When their mind is fluctuating, there may be a chance of self control. Therefore, in the present study the investigator felt the need to study emotional maturity of school students.

3. Operational Definition of the Terms

For the purpose of the present study, the following terms are defined:

3.1. Emotional Maturity

Emotional maturity is something that we must develop in our lives by knowing how to respond to situations in mature and responsible manner.

3.2. Mental Ability

Mental ability is the ability to learn for the purpose of doing something more effectively in order to gain advantage.

4. Objectives of the Study

The following are the objectives of the present study.

- To find out the level emotional maturity of high school students.
- To find out the level mental ability of high school students.
- To find out whether there is any significant difference in the emotional maturity of high school students with respect to their gender.
- To find out whether there is any significant difference in the emotional maturity of high school students with respect to their medium of study.
- To find out whether there is any significant difference in the mental ability of high

school students with respect to their gender.

- To find out whether there is any significant difference in the mental ability of high school students with respect to their medium of study.
- To find out whether there is any significant relationship between emotional maturity and mental ability of high school students.

5. Hypotheses of the Study

- The level emotional maturity of high school students is low.
- The level mental ability of high school students is low.
- There is no significant difference in the emotional maturity of high school students with respect to their gender.
- There is no significant difference in the emotional maturity of high school students with respect to their medium of study.
- There is no significant difference in the mental ability of high school students with respect to their gender.
- There is no significant difference in the mental ability of high school students with respect to their medium of study.
- There is no significant relationship between emotional maturity and mental ability of high school students.

6. Method of the Study and Sample Used

The normative survey method was adopted in the present study. In order to collect the required data, Emotional maturity scale constructed and standardized by [Singh P.Y and Bharagava .M \(1990\)](#) and [Mental Ability Intelligence test by Dr.S.K.Pal & Dr.K.S.Misra\(1990\)](#). Simple random sampling technique has been employed to collect the data from 600 higher secondary school students studying in government, aided and private schools of Cuddalore district.

7. Analysis of Data and Interpretation

The data collected were descriptively analyzed by employing the following statistical techniques:

1. Descriptive Analyses

- i. Measures of central tendency (Mean)
- ii. Measures of variability (Standard Deviation)

2. Differential Analyses ('t' test and 'F' test) and
3. Co-relational Analyses (Karl Pearson Product Moment Correlation)

Descriptive Analysis

Hypothesis 1

The Level of emotional maturity among high school students is low.

Table-1: Mean and standard deviation scores of emotional maturity of high school students belonging to different sub-groups

| Variable | No. of students | Mean | SD |
|--------------------|-----------------|--------|-------|
| Emotional Maturity | 200 | 108.25 | 24.12 |

It is evident from the table-1 the computed mean and standard deviation values of emotional maturity of the high school students on total emotional maturity are found to be 108.25 and 24.12 respectively, which indicates that the mean and standard scores of the total sample is above

the mid score of 120. It is concluded that high school students are having low level of emotional maturity.

Hypothesis 2

The Level of mental ability among high school students is low.

Table-2: Mean and standard deviation scores of mental ability of high school students belonging to different sub-groups

| Variable | No. of students | Mean | SD |
|----------------|-----------------|-------|-------|
| Mental Ability | 200 | 45.92 | 10.22 |

It is evident from the table-2 the computed mean and standard deviation values of high school students on mental ability are found to be 45.92 and 10.22 respectively, which indicates that the mean and standard scores of the total sample is above the mid score of 30. It is concluded that

high school students are having high level of mental ability.

Differential Analysis

Hypothesis 3

There is no significant difference between male and female high school students in respect of their Emotional maturity.

Table-3: Difference in Emotional Maturity of High School Students With Regard to Gender

| Gender | N | Mean | SD | Calculated 't' value | Level of significance at 5% level |
|--------|-----|--------|-------|----------------------|-----------------------------------|
| Male | 101 | 114.09 | 24.37 | 1.98 | Significant |
| Female | 99 | 120.37 | 30.14 | | |

It is inferred from the above table that the calculated 't' value is 1.98, which is greater than the table value 1.96 at 5% level of significance. Hence null hypothesis is rejected. Thus, the result is that, there is significant difference between male

and female high school students in respect of their Emotional maturity.

Null Hypothesis 4

There is no significant difference between Tamil and English medium high school students in respect of their Emotional maturity.

Table-4: Difference in Emotional Maturity of High School Students With Regard to Medium of Study

| Medium of Study | N | Mean | SD | Calculated 't' value | Level of significance at 5% level |
|-----------------|-----|--------|-------|----------------------|-----------------------------------|
| Tamil | 100 | 115.58 | 29.61 | 1.59 | Not Significant |
| English | 100 | 120.47 | 22.57 | | |

It is inferred from the above table that the calculated 't' value is 1.59, which is lesser than the table value 1.96 at 5% level of significance. Hence null hypothesis is accepted. Thus, the result is that, there is no significant difference between

Tamil and English medium high school students in respect of their Emotional maturity.

Hypothesis 5

There is no significant difference between male and female high school students in respect of their Mental ability.

Table-5: Difference in Mental Ability of High School Students With Regard to Gender

| Gender | N | Mean | SD | Calculated 't' value | Level of significance at 5% level |
|--------|-----|-------|-------|----------------------|-----------------------------------|
| Male | 101 | 45.93 | 10.80 | 2.10 | Significant |
| Female | 99 | 48.46 | 10.11 | | |

It is inferred from the above table that the calculated 't' value is 2.10, which is greater than the table value 1.96 at 5% level of significance. Hence null hypothesis is rejected. Thus, the result is that, there is significant difference between male and female high school students in respect of their Mental ability.

Null Hypothesis 6

There is no significant difference between Tamil and English medium high school students in respect of their Mental ability.

Table -6: Difference in Mental Ability of High School Students With Regard to Medium of Instruction

| Medium of Study | N | Mean | SD | Calculated 't' value | Level of significance at 5% level |
|-----------------|-----|-------|-------|----------------------|-----------------------------------|
| Tamil | 100 | 48.70 | 9.56 | 3.36 | Significant |
| English | 100 | 44.16 | 11.69 | | |

It is inferred from the above table that the calculated 't' value is 3.36, which is greater than the table value 1.96 at 5% level of significance. Hence null hypothesis is rejected. Thus, the result is that, there is significant difference between Tamil and English medium high school students in respect of their Mental ability.

Correlation Analysis**Null Hypothesis 7**

There is no significant relationship between emotional maturity and mental ability of high school students

Table -7: Relationship Between Emotional Maturity and Mental Ability of High School Students

| Variables | Numbers | Correlation coefficient (r) value | Level of significance |
|---------------------------------------|---------|-----------------------------------|-----------------------|
| Emotional maturity and Mental ability | 200 | 0.255 | Significant |

It is inferred from the above table that the calculated 'r' value is 0.255 which is higher than the table value at 5% level of significance. Hence

null hypothesis is rejected. Thus, the result is that, there is significant relationship between emotional

maturity and mental ability of high school students.

8. Findings of the Study

- Emotional maturity of high school students is low.
- Mental ability of high school students is high.
- There is significant difference between male and female high school students in respect of their Emotional maturity.
- There is no significant difference between Tamil and English medium high school students in respect of their Emotional maturity.
- There is significant difference between male and female high school students in respect of their Mental ability.
- There is significant difference between Tamil and English medium high school students in respect of their Mental ability.
- There is significant relationship between emotional maturity and mental ability of high school students.

9. Conclusion

The aim of the present study emotional maturity in relation to mental ability of high school students. The findings revealed that emotional maturity of high school students is low and mental ability of high school students is high. There is no significant relationship between emotional maturity and mental ability of high school students.

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