Abstract

“A STUDY OF THE RELATIONSHIP BETWEEN REASONING ABILITY AND SCHOLASTIC ACHIEVEMENT IN DIFFERENT SCHOOL SUBJECTS OF THE STUDENTS OF STD. 8”

Submitted by

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Points which were highlighted in evaluation report, are as under:-

1. **Review of the related literature:**
   Approximate 18 to 20 reviews were included in this thesis.

2. **Research methodology:**
   In this study survey method has been used. This study being a survey type of study used with the help of test
   
   (1) Verbal and non-verbal reasoning test
   (2) Academic achievement of sem 1

3. **Sample and population:**
   i) Population: The all students of Std 8 of Gujarati medium schools of the Ahmadabad city were the population
   ii) Sample: students of Std 8 of selected schools were the sample of present study. Total 1896 students of std 8 of different schools were the sample for present study.
   iii) Sampling Technique: For the present study probability sampling technique in which stratified random sampling, were selected by the researcher.

4. **Variables of study:**
   i) Dependent variables: In the present study the correlation between reasoning ability and scholastic achievement is the dependent variable.
   ii) Independent variables: In present study gender, types of school and area are independent variables.

5. **Methods of Data Analysis:**
   1. To check normality of sample distribution following statistical methods will be performed.
      (a) Measurement of central tendency : Mean, Median, Mode
      (b) Kurtosis
      (c) Skewness
   2. To check hypothesis t-test (Critical ratio test) will be performed.

6. **Reliability of Test:**
   In present study reliability by test-retest method and split half method have been obtained.

7. **Validity of Test:**
   i) Face Validity
ii) Content Validity

iii) Internal Validity

8. Tool:

Self prepared reasoning ability test (verbal and non-verbal) was prepared under the guidance of guide and used for the study.

9. Reference

All references are arranged as per APA style

10. Summary of the research topic

Learning and knowledge are incomplete until we don’t question them and come up with a valid reason. That is why it became necessary to conduct the research between the co-relation of reasoning ability and academic achievement. Students will question the processes going on it their surrounding and will relate it to the topics they have studied. This way they will even be able to discover something new and something which is yet to be question. In present, emphasis is given to the marks and ranks, and this creates the lack of curiosity and reasoning among students. The need for this research aroused to find out whether the students are still interested in reasoning or it is completely extinct among them. This also gives us the better idea of how they will be performing in the competitive exams even if they are weak in academics. The research concludes that the reasoning ability and academic achievement is free from gender, school and the area. There might be possibilities that sometimes differences may occur but this is completely a matter of chance. This does not show superiority between any gender, school or the area.

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