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Investigation of academic achievement between science and physical education male students of Indore, Madhya Pradesh

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Abstract

The objective of the study was to characterize and compare the Academic Achievement between the students of Science and physical education students. The subject was selected through Random sampling technique from students of CBSE school of Indore division at higher secondary level of Science and Physical education, boy's students. The age of the subject ranged between 15-18 years. The total number of subjects one hundred eighty (N=180) the total groups was two like Sciences, and Physical education, from each groups was equal subjects sixty (N= 90) only boys student for School going was selected. In total 15 CBSE School Indore Division. The criterion measure of the study was the score obtained from the questionnaire of Academic Achievement level students of science and physical education. Descriptive statistics was applied between Sciences and Physical education students' only boys' student for School going was selected. In total 15 CBSE School Indore Division. Independent t-test was applied. The data was processed through Statistical package for social science (SPSS) version 21. The level of Significant was set at 0.05. There was no significance Mean score between science and physical education students of CBSE schools of Indore Division of Academic Achievement.

Keywords: Academic, achievement male students, Indore, Division etc.

Introduction

Academic Achievement

The meaning of the term achievement must be considered in relation to the family involvement in college. Academic achievement is a major concern for parents, teachers, students and policy makers. It is considered as a social and educational problem because it leads to a great loss of human potentials and materialistic wealth. Academic achievement is the basic criterion from passing one educational stage to another. Achievement can be measured through objective tests and conventional achievement tests. In recent years getting higher marks and having a good appearance are the goals for most of the schools because media and other newspapers rank the school and district by test scores. So there is a competition among schools to achieve excellence.

Dimensions of Academic achievement

Personal dimension: The personal dimensions include past experiences, physical status, intelligence, creativity, psychological status and self Confidence. **Social dimension:** The social dimension involves the students' family size, parents' attitude towards students' relationship with their family members, locality and their social atmosphere. Academic dimension the school where the student learns has both direct and indirect impact on academic achievement. The increased number of students, lack of equipment, increase of psychological stress and tendency to compete with their peers and adjustment in schools will all lead to poor results which may even lead to leave school as dropouts. Academic achievement means the extent to which a student, teacher or institution has achieved their educational goals or the level of actual accomplishment or proficiency one has achieved in an academic area, as opposed to one's potential. Academic learning and sports education are the complements of each other.

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Objectives of the study

The objective of the study was to characterize and compare the Academic achievement between the students of Science and physical education students.

Statistical Procedure

In this study was to characterize and compare between Science and physical education students. Descriptive statistics and independents t- test was used.

Methodology

The subject was selected through Random sampling technique from students of CBSE school of Indore division at higher secondary level of Science and Physical education, boy's students. The age of the subject ranged between 15-18 years. The total number of subjects one hundred eighty (N=180) the total groups was two like Sciences, and Physical education, from each groups was equal subjects sixty (N= 90) only boys student for School going was selected. In total 15 CBSE School Indore Division. The criterion measure of the study was the score obtained from the questionnaire of Academic achievement students of science and physical education. Descriptive statistics was applied between Sciences and Physical education students' only boys' student for School going was selected. In total 15 CBSE School Indore Division. Independent t-test was applied. The data was processed through Statistical package for social science (SPSS) version 21. The level of Significant was set at 0.05.

Criterion Measure

Academic achievement

Performance in final Examination was considered as academic achievement scores. The subjects were selected

from the CBSE schools of Indore Division.

Administration of Test

There are approximately 15 Schools affiliated to the Central Board of Secondary Education (CBSE) in Indore Division, out of which 15 Schools have been randomly selected for the purpose of collection of data. Research scholar has personally visited and interacted with Physical Education teacher, Sports Coaches and Subjects Teachers of High class from all the selected schools for collection of data in a single academic year with the prior permission from the authorities of the concerned schools.

Students have been randomly selected from each school who had participated in competitive sports at different level and non-sportsmen who never participated in any competitive sports at any level. Selected students have been accommodated in a classroom with required number of pens. The various questionnaires were distributed to the students and purpose and description of the questionnaire were explained to them. All the subjects were instructed to respond independently. There were no time limit for the completion of the questionnaire but the subjects were instructed not to ponder too long over any statement and respond all the statements in the questionnaire independently. And students ask to write on questionnaire there sports event participation levels. In case of any question or query raised by the students, the research scholar has explained it. The questionnaires were filled Academic Achievement and Intelligence (Mental Ability) with Academic Achievement Score of Biology, Physical Education And Commerce boys school going student from Sports men and non-Sports men subjects from 15 CBSE School Indore Division.

Table 1: Independent t-test for the data of academic achievement between the science and physical education students of CBSE schools in Indore Division.

Academic Achievement						
S. N.	Groups	M	MD	SED	Calculated t-ratio	Tabulated-t-ratio
1	Science	64.8	4.38	2.22	1.97	1.984
2	Physical Education	60.4				

*Significant at 0.05 level (df-2,172) = 1.984)

Independent t test

Table 3 reveal that the calculated t- value (1.97) was more than the tabulated t-value (1.984), so there was insignificant difference between the mean scores of Comparative Academic Achievement between the Science and Physical Education students of CBSE schools of Indore Division

Discussion of Findings

The reason of these differences can be associated with above results this is probably due to the different nature of the physical components training and per-requisite for coaches. Number of training and level of participation. The reason may be attributed that the physically trained Coaches or level of athletes' achievements and taken different types nutrition food. These results may be due to a small sample of size and other factors such as different types of body, differences in body composition. These results may be nutrition diet schedule deference. The reason may be Psychological variables like stress, Academic Achievement, aggression, fear, motivation confidence, attention concentration etc.

Conclusions

According to objectives of the study the following

conclusions were drawn:

There was no significance Mean score between science and physical education students of CBSE schools of Indore Division of Academic Achievement.

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