

# A study on association between adjustment levels and academic achievement of adolescents in relation to their locality

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■ **ABSTRACT :** This article investigated the correlation between adjustment and academic achievement of adolescent in mathematics of 10<sup>th</sup> standard adolescent boys and girls of block Belha. A sample of 400 students of rural and urban locality was chosen using random sampling technique. Findings reveals that the correlation between adjustment and academic achievement of urban and rural male and female adolescents was traced positive at medium levels.

■ **KEY WORDS:** Academic achievement, Adolescent, Correlation, MAT, HSAI

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**A**cademic achievement is the educational goal that is achieved by a student, teacher or institution achieves over a certain period. This is measured either by continuous assessments or examinations and the goal may differ from an individual or institution to another. Academic achievement helps secure a bright future and brings higher opportunities of success in life. It is important because it is strongly linked to the positive outcomes for human beings. It also promotes self esteem and creates good morals in a learner.

Adolescence was noted as a period of storm and stress, or many changes in direction and swings in mood, of turbulence and turmoil (Hall, 1904). Yellaiah (2012) was found that there is a significant difference in relation to boys and girls with reference to their overall adjustment; female adolescent have better

adjustment than male. The study an attempt to assess the level of adjustment and its impact on academic achievement and its relationship with academic achievement of the school going adolescents due to lack of study in this aspect.

The adolescence stage is a very critical phase of school going children. This is a vital stage in which students are at a cross roads. They are undecided about the importance of their study for a successful human life. How to keep them away from undesirable and fast changing environment in terms of outside undesirable influences of the information technology. The political trends affecting him, and his role as a responsible future citizen of society, and as a balanced and mature head of his family are the crucial factors that need due consideration.

**Sample :**

Random sampling was used in the selection of 400 students of 10<sup>th</sup> standard of rural and urban locality from Bilaspur district which is located in Chhattisgarh planes.

**Tools used :**

Mathematics Achievement Test (MAT-IAKT) developed by Imam and Khatoon (2012) was used for mathematics. High school adjustment inventory (HSAI) developed by Singh and Gupta (2012) were used.

**Statistical tools :**

“t test” at 0.05 level of significance was used in order to find out the significance of the difference between the means of pairs of sub sample of 10<sup>th</sup> standard students in respect to academic achievement in mathematics and adjustment in five area like home, health, social, emotional and school. Karl Pearson’s coefficient of correlation was used for association.

Selected students were undergone Mathematics Achievement Test (MAT-IAKT) and adjustment Inventory (HSAI) and the performances of both the tests were statistically evaluated. The findings of the tests were given in tables as given below.

The Table 1 and 2 showed relationship between adjustment levels and academic achievements of male

and female adolescent of rural and urban area, respectively. Both the categories male adolescent shows significant and positive relationship at medium level and female showed significant and positive correlation at higher level. The reason could be ascribed for this. The rural girls have patronage of their elders and work according to their directions. They accept the directive of their elders quite easily and as a result of which the relationship between their adjustment and academic achievement is of a high degree and relation to be significantly positive. Contrary to this the rural male are not so easy to except directive of their elders. Nasir (2010) also reveals that the students having higher score on cultural adjustment scale exhibited better academic performance.

The Table 3 shows a relationship between adjustment levels and academic achievements of rural and urban adolescents. Rural and urban both are shows a positive correlation at a moderate degree. It can be concluded therefore the level of adjustment and academic achievements are positively correlated. The reason for this is that the adolescents who have better adjustment also have a good academic achievement. The factor responsible for this is that both the types of adolescents find environment which are favourable to them. Due to which the percentage of their adjustment is more or less equal. Yellaiah (2012) also found that adjustment and

**Table 1 : Relationship between adjustment levels and of academic achievement of rural male and female adolescents**

Variable	N	DF	r	t value
Rural male adjustment	50	49	0.743	10.88
Rural male academic achievement				
Rural female adjustment	50	49	0.881	18.24
Rural female academic achievement				

\* indicate significance of value at P=0.05

**Table 2 : Relationship between adjustment levels and of academic achievement of urban male and female adolescents**

Variable	N	DF	r	t value
Urban male adjustment	50	49	0.696	9.4
Urban male academic achievement				
Urban female adjustment	50	49	0.873	12.11
Urban female academic achievement				

\* indicate significance of value at P=0.05

**Table 3 : Relationship between adjustment levels and of academic achievement rural and urban adolescents of C.G. board**

Variable	N	DF	r	t value
Rural adjustment	100	99	0.572	6.8
Rural academic achievement				
Urban adjustment	100	99	0.587	7.1
Urban academic achievement				

academic achievement of high school students and found that rural and urban school students were showed low positive relationship between adjustment and academic achievement.

### Conclusion :

On the basis of locality association between adjustment and academic achievement of rural and urban male adolescents was found to be positive and having a medium degree. Among the females adolescents residing in both the locality have shown higher degree of association between the two variables.

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