

ABSTRACT

Present study investigates the effect of emotion on lexical decision and working memory task in school children. Data was collected by using working memory task, lexical decision task (Krantz, n. d) and brief mood introspection scale (Mayer & Gaschka, 1988). Sample consisted of N = 200 school children (Boys= 104, Girls = 96) with mean age 12 years. sample was divided into experimental and control group. Experimental group contain positive, negative emotion induction group and control group contain neutral and non-emotion induction group. Students were recruited from Government and private schools of Jhelum and Sarsi Alamgir. Statistical Package for Social Sciences version-21 (SPSS) was used for the data computation. Pearson Product Moment Correlation was applied to study the relationship between demographic variables and performance on working memory and lexical decision task, to find out the gender differences, differences in education level and school systems (public/ private) in these variables. Independent Sample t-test was used. Paired sample-t Test was used to find out effect of emotion induction in experimental and control group (pre- and post-testing to see the effect of intervention). Mean difference between and within group was analyzed by using one- way *anova*. Results indicates that there is a significant positive correlation of working memory and lexical decision with gender, age, parental education, level of education and with school system. The independent sample t-test results indicate significant gender difference in working memory and lexical decision tasks. Moreover, there is a mean difference in level of education but there is no mean difference of school system on children performance in working memory and lexical decision task. Paired sample t- test result show significant mean difference in pre- and post- rating of experimental group. *one* Result indicated that emotion induction procedure had significant effect on working memory and lexical decision task in school children.

Key words: Emotion, Working Memory and Lexical Decision.