

THE RELATIONSHIPS BETWEEN WORKING MEMORY AND ABSTRACT THINKING AMONG ALJOUF STUDENTS

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***ABSTRACT_** The current research aims to investigate the size of Correlational Coefficients and its directions between working memory and Conceptual Thinking among students in Colleges theory and Colleges of applied process in Aljouf University (Female). In addition to identify the predictive value of working memory components on Abstract Thinking. The research will depend on correlation Method, The research sample covers (97) Students in Aljouf University, 67 from, Colleges theory and 30 from Colleges of applied process, the age ranges from (18- 22) years. A battery of psychological tools which include A Working Memory battery, and The Similarities, sub-Test of W.B to Abstract Thinking test, in addition to basic information list are applied in the research sample. The researcher will apply multiple analysis to verify the hypothesis, such as: simple correlation method, multiple regression analysis (Stepwise Regressions), and "T test ". The research results have revealed that: Positive significant correlations between most compound of Working Memory battery, and Abstract Thinking,) all component of Working Memory can predict the student Abstract Thinking and this prediction is with a ratio of 19% - 24% for females. There was a significant difference between the two groups of student " Colleges theory and Colleges of applied process" in all component of Working Memory and Abstract Thinking. The results discussed according to theoretical and applied indications of previous studies in the same field.*

***KEYWORDS:** Working Memory, Abstract Thinking, Colleges theory, Colleges of applied process.*