The present study aimed to investigate the relationship between parents’ personality, family environment and adolescents’ personality. It was hypothesized that: a) there would be a relationship between parents’ personality, family environment and adolescents’ personality; b) parent’s personality and family environment are likely to predict adolescents’ personality. The sample consisted of 80 adolescents and their parents who were recruited through a convenient sampling strategy from Lahore, Pakistan. Big Five Personality Inventory-10 (Rammstein & John, 2007) was used to assess personality of parents’ and adolescents’ and the Family Environment Scale (Bhatia & Chadha, 1993) was used to assess the family environment of adolescents. Pearson Product Moment Correlation and Hierarchical regression analyses were used to analyze data. Findings revealed significant relationships between parents’ personality, family environment and adolescents’ personality. Fathers’ extraversion; mothers’ agreeableness, consciousness and openness to experience; cohesion and expressiveness, were significant predictors of adolescents’ personality. The findings have important implications for families, friends and relatives for provision of information about importance of parents’ personality traits and family environment and how these can effect an adolescent’s personality.

*Keywords.* Parents’ personality, family environment, adolescents’ personality