

## Abstract

Present study was conducted to develop a science aptitude test for high school students. The study consisted of three phases. In the phase one, items were developed by studying previous literature, previous tools and Punjab Text Books in detail. Items were developed under five subscales i.e. Language Usage and Verbal Reasoning, Biology, Chemistry, Physics and Numerical Ability in this phase. In second phase, pilot study was conducted on 50 students of grade 9<sup>th</sup> (males = 23, females = 27) to observe the average time taken by the students to complete the subscales. It was observed that on average, students took 120 minutes to complete the subscales. In phase 3, data collection and data analysis were done on 750 participants (N=750). Normality analysis was done to reject vague items, a total of 25 words and one item from language usage and verbal reasoning section and two items from physics subscale were rejected. Through the analysis of data Cronbach Alpha's values were calculated that appeared to be .89 ( $\alpha = .89$ ). Differences were observed among the students on the base of gender, females appeared to perform better than males. Differences were also observed on the basis of subject chosen by students, results depicted that students in the biological sciences scored significantly different from the students in computer and general sciences. No significant difference appeared among the students of computer and general sciences. The study has its implications in various fields of psychology. This test could be used by students and teachers to identify student's aptitude. This test would be helpful for the students to have an insight about their abilities and potential. The test could also be used by counselors in clinical settings to provide an appropriate measure about the aptitude of students.