

## 6.0 DATA EXTRACTION

### 6.1 DATA COLLECTION

The data were collected by the research staff of SVYASA during the pre and post adjacent weeks to the intervention period for all the recruited participants. A semi-structured interview was conducted to collect their demographic and anthropometric data where as information related to their family and social background collected from the orphanage home official records. The investigators were available to answer questions and provide unbiased guidance during the assessment. The details procedure of data collection for different types of parameters is described below.

**Physical performance tests:** A demonstrator demonstrated each test-item with detail description to participants before performing the test and the scores were noted down as per the standard procedures.

**Cognitive Tests:** These tests were conducted individually for each student by the research staff. Before commencing the final test there was a trail session for each test.

**Psychological assessments:** After thorough explanation, questionnaires were distributed to the participants in small groups. They self rated the questionnaires, in case of any doubt clarified with the investigators.

### 6.2 DATA SCORING

Data were extracted using standard procedures which elaborately explained in chapter 5; for each variable. Data scoring and entry were completed as per the guidelines of the assessment tools by the research staff, under the guidance of the study statistician. All forms and test sheets were

thoroughly screened for completeness of responses. Data were organized and tabulated for statistical analysis in Microsoft excel program.

### **6.3 DATA ANALYSIS**

Data were analyzed using the Statistical Package for Social Science (Version 20.0). Categorical variables were analyzed using Chi square test. The Independent samples't' test was used to check the difference between groups for demographic measures. Analysis of repeated measures followed by Bonferroni post-hoc was performed for all the physical, cognitive and psycho-social measures.