CHAPTER IV

DESIGN

AND

METHODOLOGY
CHAPTER – IV

DESIGN AND METHODOLOGY

The purpose of the present research is to study the General Health, Security-Insecurity and Self-Expression of orphans at different age groups. In order to test the hypotheses formulated in chapter 3. The following design was employed.

Design

A 2X2 factorial group design was employed on 150 subjects to study General Health, Security-Insecurity and Self-Expression of Orphans at different age groups.

Sample:

Initially a sample 150 subjects were randomly selected for the present study, out of which were 75 Single orphans (Half) and 75 Double orphans (both) were selected. A maternal orphan is a child whose mother has died but whose father is alive; A paternal orphan is a child whose father has died but whose mother is alive; A double orphan is a child whose mother and father have both died. A single orphan is therefore a maternal orphan or a paternal orphan. All subjects are boys and the age range from 6 to 18 years. The orphan children were randomly selected on the basis of availability from Ladhot Gurukul, Jan Sewa Sansthan, Lakhi Ram Rohtak and children home Rewari.

Tools Used:

Three scales would be used to assess PGI Health Questionnaire N1, Security-Insecurity Inventory, Self-Expression Inventory.
PGI Health Questionnaire:

PGI Health Questionnaire was developed by Dr. S. K. Verma, Dr. N. N. Wig, and Dr. Dwaka Pershad, in 1985. This Questionnaire has 38 items divided into A (Physical distress) and B (Psychological distress) sections with 16 and 22 items, respectively. Reliability of the test was found to be significantly high (0.88 and 0.86 respectively).

Security-Insecurity Inventory:

This scale was developed by Dr. Govind Tiwari, Dr. H. M. Singh. There are 70 items in this test and subjects given his response putting in yes or no and indefinite column. There is no time limit, but ordinarily an individual takes about 15 to 20 minutes to complete it. Split – half reliability is 0.67 and test-retest reliability is .73.

Self-Expression Inventory:

This scale was developed by Dr. R. P. Verma and Dr. (Km.) Usha Upadhyaya in (1971). There is 30 items with four alternatives in each. Two of the alternative showed the sense of deprivation and there two of the alternative showed neutral statements.

Procedure:

After finalization of the experimental design the sample of 150 subjects were selected. 75 subjects were from Single orphans and 75 subjects were from Double orphans. They were informed about the purpose of the study in detail. Now the subjects were made comfortable and a rapport was established by simply asking few relevant questions about them. This was down in order to make the subject feel comfortable, so that the subject may not feel conscious and should give true response about their feeling. They were made sure about the confidentiality of their responses for the tests. Now the General Health, Security-Insecurity and Self-Expression tests
were administered on those subjects in group for the questionnaires. Following
instructions were given for all the scales to the students:

1. PGI Health Questionnaire: In this test 38 items. There are two section A and
   B. All items are related your mental, physical health. Read each items
carefully and you have to tick (✓) items you agrees with. There is 5
minutes to finish it.

2. Security- Insecurity inventory: In this scale there are 70 items. Each items had
   three alternatives yes, no and indefinite. You have to tick (x) at one of it. There
   is no time limit, but takes only 15 to 20 minute in completing the test.

3. Self- Expression Inventory: in this scale there are 30 items. Each items had
   four alternative (a) most true (b) slightly true (c) slightly untrue (d) most
   untrue. You have to tick (✓) at all column and every tick (✓) should be in
   different column. There is no time limit but try to complete it as soon as
   possible.

   After completing the tests booklets were taken back from them.

Scoring:

   In PGI Health Questionnaire there are two sections. The number of ticks on
   section A and B indicate the respective scores, which can be then added up to give a
   total score also.

   In Security- Insecurity Inventory there are three alternative Yes, No, and
   Indefinite. The marks should be allotted as mentioned;-For items no. 1, 2, 5, 7, 9, 11,
   12, 14, 16, 18, 20, 21, 22, 23, 27, 29, 30, 31, 32, 34, 35, 36, 44, 45, 47, 48, 50, 51, 55,
   57, 59, 60, 62, to 70 which are endorsed by the subject as Yes are given score 2, No
   are given score 0, and Indefinite are given score 1.
For items no., 3, 4, 6, 8, 10, 13, 15, 17, 19, 24, 25, 26, 28, 33, 37, 38, 39, 40, 41, 42, 43, 46, 49, 52, 53, 54, 56, 58, 61 which are endorsed by the subject as Yes are given score 0, No are given score , and Indefinite are given score 1. In this scoring procedure maximum score is 3 and minimum score is 0.

Self - Expression Inventory there are 30 stem questions with four alternatives in each. Out of the four alternatives, two are such that the ‘yes’ response to them showed the respondent’s sense of deprivation and two of the alternative are neutral statement, the ‘yes’ response to which do not show any sense of deprivation. The responses made only against the alternatives that indicate sense of deprivation are to be scored. The responses made against the other two alternatives are ignored and a score of zero is assigned to them. The scoring is done in this manner –the responses made under the most true category(column 1) to an alternative that indicated sense of deprivation are given a score of two and the responses made under the slightly true category (column 2) to an alternative that indicated sense of deprivation are given a score of one. The responses made under the slightly untrue (column 3) and the most untrue category (column 4) to these very alternatives are given a score of zero.