CHAPTER – III

METHODOLOGY

III.1 – POPULATION:

The population for this study is selected from affiliated colleges of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Aurangabad region only. Overall there are approximately one thousand five hundred lecturers serving in aided and non-aided colleges affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. Almost all the lecturers are from newly joined to the age of retirement. The lecturers serving in the colleges from at least 5 years and those either sportsman in their young age are also taken as sample to compare with that of the non-sportsman. The considered sample are not gender oriented neither they are from permanent/temporary appointment. The population is vast and all the population is unable to be considered as sample, hence sampling procedure is adopted.

III.2 – SAMPLE:

The samples for this study are selected from the specific population located in the affiliated colleges of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Aurangabad region only. In which the sportsmen and non-sportsman teachers serving as lecturers are considered. The selection of the sample was by random sampling procedure is adopted in which 100 sportsmen and 100 non-sports in age group of 30-40 years, similarly 100 sportsman and 100 non-sportsman in the age group of 40-50 years are considered for the study where no gender specification and the level of participation is considered.

III.3 – VARIABLES:

Independent Variables:

1. Value Questionnaire by
2. Depression Questionnaire by
Interweaving Variables:

1. Different Sports and Games.
2. Age Group
3. Training Age
4. Level of Participation

Dependent Variables:

1. Response of the Sportsmen teachers to the value questionnaire
2. Response of the non-sportsman teachers to the value questionnaire
3. Response of the Sportsmen teachers to the depression questionnaire
4. Response of the non-sportsman teachers to the depression questionnaire

III.4 - TOOLS AND MEANS:

1. Questionnaire of value by Dr. Rajkumar Oza.
2. Questionnaire of Mental depression scale by Dr. L.N.Dube.

Means Used

1. Personal approach to each individual sportsmen teacher
2. Personal approach to each individual non-sportsman teacher

III.5 – PROCEDURE:

Every Individual sportsman teacher and non-sportsman teacher is individually is approached and convinced for the non-disclosure of their identity. Every individual is provided by separate code as given below to hide their personal identity. The questionnaire is provided with individual code for each of the selected variable and subject. Every individual is given a specific code for reorganization by the researcher and also to keep the identity secured.

The Code was allotted as follows:
1. 30-40 years of age Sportsman Teachers values- SV 101-SV 200
2. 30-40 years of age sportsman Teachers depression- SD 201-SD 300
3. 30-40 years of age non-Sportsman Teachers values- SV 301-SV 400
4. 30-40 years of age non-sportsman Teachers depression- SD 401-SD 500
5. 50-60 years of age Sportsman Teachers values- SV 501-SV 600
6. 50-60 years of age sportsman Teachers depression- SD 601-SD 700
7. 50-60 years of age non-Sportsman Teachers values- SV 701-SV 800
8. 50-60 years of age non-sportsman Teachers depression- SD 801-SD 900

The Sportsman teachers and non-sportsman teachers are briefed about the research and its objectives and the procedure of answering the closed questionnaire with respective variables. The questionnaire after filling were collected and segregated according to the different groups and variables for data collection.

**III. 6 - COLLECTION OF DATA:**

The data is collected after segregating the variables according to their age group and category of sportsman and non-sportsman. The data is then entered into the excel sheet with individual questions. The Value questionnaire consisting of 45 Questions, and the depression questionnaires consisting of 50 Questions respectively. The responses to each question is taken into consideration and the number of responses for the options are cumulated for carrying out the statistical treatment for comparison of the responses provided by the samples.

**III.7 – STATISTICAL METHODS:**

To analyze the collected data the scores are arranged according to the comparison and in sequential order so as to find out the statistical values. The following statistical variables are selected for analyzing and interpretation of numerical values and basing on which the findings are discussed.
Chapter - III

t- Test of the obtained value is considered for the responses to the value and depression questionnaire. The graphical representation is depicted according to the values and responses and interpretation based on mean and standard deviation is made.