

## **Chapter III**

### **Methodology**

In this chapter, the procedure adopted for the selection of subjects, selection of variables, development of questionnaire, scoring and statistical procedure used for the analysis of data are discussed.

#### **Selection of subject**

Twenty three Universities from North India and Twenty three universities from East India were selected from all the states coming under north and east zone for the study. The Questionnaire copies were sent to head of the departments of physical education and sports board to obtain the data

#### **Selection of Variables**

The investigator felt that the universities have a vital role to play in the promotion of sports and physical education in the state and also in our country. Hence, it is essential to study the facilities available, financial assistance give to the universities, administrative functions and organisational set up of the departments of physical education and sports. Keeping in view the above mentioned points, the investigator selected all these variables to conduct the study on facilities to universities for organisational set up and administrative functions of the department of physical education and sports in the universities of North India and East India

#### **Development of Questionnaire**

To obtain the data regarding the facilities, administrative functions and organisational set up of departments of physical education and sports of universities of North India and East India, a questionnaire was prepared for the collection of data and information for the study.

The questionnaire was developed with the help of guide and experts in the field of physical education and sports.

As the first step, a blue print of the questionnaire was prepared by organizing the questions progressively in a proper sequence. Adequate attention was given towards the relevance of the content of the questionnaire. All efforts were made to prepare the questions short, feasible and clear to the respondent. Attention was also given to avoid usage of specialized terminologies, incomplete questions and double barreled questions.

The following procedure was adopted for the development of the questionnaire.

### **Initial Writing**

In the first attempt various questions which could be responded in various ways were formulated. Those were modified from time to time, according to the recommendations of the guide and other experts in the field of research before the finals draft was made.

Considering the above points a series of 100 questions were prepared initially under the following main heads.

- a) Information regarding University and physical education and sports department staff.
- b) Information regarding infrastructure facilities.
- c) Information regarding financial assistance.
- d) Information regarding staffing pattern.

Giving due weightage to each main heads, the questionnaire was constructed to elicit valid responses from the respondent.

### **Trail Run:**

After the initial writing of the questionnaire in an organized, logical and orderly manner, it was subjected to a trail run to ensure that the meaning of the questions was clear to the respondent and to obtain the adequate information the questionnaire was sent to 10 Physical Education Directors of various universities to obtain the responses. They were requested to criticize the questionnaire in terms of adequacy and relevance of the question. By adapting this procedure, ambiguities, incomplete and equivocal questions and insufficiently defined terminologies were eliminated.

### **Tabulation:**

After the trail run, all the responses obtained through the questionnaire were be tabulated to find out whether all the questions were answered properly, any questions which were difficult to answer or omitted by the respondent. This was necessary for modification of the questions and rearrangement of the answer locations.

### **Re-Writing:**

Based on the information obtained from the trail run, the questions were revived wherever it was necessary to get adequate response. There were no extensive revisions of the questions after the tabulation. Finally the questionnaire was prepared

### **Administration of the Questionnaire**

Copies of the final draft of the questionnaire were mailed to the Directors/heads of the department of physical education and sports of universities from North and East Zone with a view to maximum eliciting response. Follow up procedure were also adopted. Two weeks after mailing the questionnaires a reminder were sent to those universities head who had not responded & second

reminders were sent four weeks later along with a copy of the covering letter another copy of questionnaire to those university head who had not responded up to that time. In order to get appropriate and genuine information regarding the infrastructure facilities, administrative functions and organisational set of department of physical education and sports, staffing pattern.

Even though the questionnaire was mailed to 23 universities each (North Indian and East India) 8 universities did not respond inspite of several reminders and finally responses were obtained from 15 universities from north India and 15 universities from East India only.

The Questionnaires were administered to the Directors of Sports Board/council and Directors of physical education department of Universities from North and East India with a covering letter requesting their cooperation and timely response. In the covering letter the investigator had indicated the purpose and importance of the questionnaire for the study. Complete instructions for filling the questionnaire and returning the questionnaires to the investigator were also given to the respondents.

A copy of the Questionnaire is presented at Appendix-A

### **Scoring**

After obtaining the responses from 15 university from north India and 15 universities from East India, all the questionnaires were tabulated carefully by way of scoring all the responses. They were quantified in terms of infrastructure facilities and financial assistance, coaching camps academics activities etc. The various programme conducted by the department of physical education and sports of various universities from north India and East India.

### **Statistical Procedure:**

For the analysis of data and percentage were calculated for each question to find out the number of university having the infrastructure facilities such as indoor outdoor small area games swimming pools and field games track and field. The percentage was also calculated for administrative function such as coaching camps, workshop, conference, refresher course, clinics conducted by the number of University. The organisational set up in terms of staffing pattern was explained. The budgetary allocation to the departments of physical education and sports.