

## **CHAPTER III**

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# CHAPTER III

## METHODOLGOY

### 3.1 Introduction –

Research methodology is a way to systematically solve the research problem. It may be understood as a science of studying how research is done scientifically. In it we study various steps that are generally adopted by the researcher in studying his research problem along with logic behind them. It is necessary for the researcher to know not only the research techniques but also the methodology. Researcher not only need to know how to develop certain tests, how to calculate mean, mode, median or standard deviation, how to apply particular research technique but they also need to know which of these methods and techniques are relevant and what would they mean ,indicate and why.

This chapter deals with methodology employed to achieve the objectives of the study mentioned in chapter 1. Keeping in view the nature and objectives of the study appropriate sample was selected and tools were developed. This chapter deals with variables, research design, sample, tools used, data collection and statistics used.

### 3.2 Variables under Study

A variable is a property that takes on different values. It is something that varies. The nature of variable i.e. dependent or

independent is based on statistical treatment given by investigator in a particular study. According to Borg and Gall (1983) "A variable can be thought of as a qualitative expression of construct, variable usually take the form of scores on measuring instrument.

### **In this study**

Variables are - Job satisfaction, Mental health, special training, age and salary

### **3.3 Research Design**

No planning of educational research can be completed without detailed design of investigation. Design is considered as the heart and soul of investigation .A clear visualization of the methodological step is an important need for successful completion of research project.

Research design is the plan, structure and strategy of investigation conceived so as to obtain answer to research questions and the variable undertaken in the study.

The present study follow the descriptive survey type research as present investigation is totally based on views of teachers in terms of their job satisfaction and mental health. The information is obtained from different teachers in the form of questionnaire and on the basis of information collected, appropriate statistics is used to establish relationship between the variables.

### 3.4 Sample of study

Sample consisted of 56 teachers working in different special schools in Indore city. Total number of schools were 12. Keeping in view the objectives, hypothesis and number of sample of the present study, investigator found random sampling technique suitable for data collection. The names of the schools and number of teachers selected as a sample for the study are given in table 3.4.1

**Table 3.4.1 Details of the sample selected for the study**

No.	Name of School	Male	Female	Total No. of <sup>teach</sup> <sub>ers</sub>
1.	Ability- A centre for Disabled children		3	3
2.	Anand service society		5	5
3.	Bharat Vikas Parishad Seva Nyas		3	3
4.	Deaf Dumb and Blind school	1	3	4
5.	Free Institution deaf and dumb mute		3	3
6.	Hellen Keller Education Academy	2	7	9
7.	Rotary School for Blind		4	4
8.	Sanjeevani Seva Sangam		4	4
9.	Rotary Paul Harris School		4	4
10.	Mahesh Drishti kalyan Sangh	1	6	7
11.	Navjeevan		3	3
12.	Muk Badhir Sangathan	2	5	7
	Total	6	50	56

### **3.5 Tools used for Data Collection**

After the sample has been chosen, the next task of the research is to choose appropriate tool for data collection. The following 2 tools have been used in the study

- (i) Modified RCE Mental health scale
- (ii) Modified Job satisfaction scale

Standardised Mental Health Scale and Job Satisfaction scale for general teachers was modified for teachers working in special schools with the help of Dr.S.K Gupta, Head of Education Department ,RIE Bhopal and Dr. S.K Goel former Head of Education Department ,RIE Bhopal. Modified Mental health scale and job satisfaction scale were translated in hindi for teachers. To confirm the authenticity & accuracy of translation work opinion was sought from hindi experts.

#### **Description of the tools used**

##### **3.5.1 Mental Health scale**

#### **Description and administration**

In the construction of mental health scale, likert's technique has been followed. This scale consist of 60 statements. There are 5 alternatives such as SA , A ,UD, D and SD placed against each statement. The subject records his responses by encircling any one of the 5 alternatives allowed. Subjects are to respond to all the items. There is

no time limit but the subject may take 15-20 minutes to work over mental health scale. of mental health scale is based upon assessment of

- 1) Individual's self concept
- 2) Concept of life.
- 3) Perception of self amongst others.
- 4) Perception of others
- 5) Personal adjustment .
- 6) Record of achievements

**Table 3.5.1 Dimensionwise distribution of questions**

Sr.	Dimension	Sr. No. statements	Total No. of statements	Max Possible score
1.	Self Concept	+54 -13, 16, 35, 55, 59	6	24
2.	Concept of life	+18, 45 -6,11, 22,42,43,44	11	44
3.	Perception of self amongst others	+14, 20, 27, 37,50, 60 -5, 10, 15, 25, 26, 30	15	60
4.	Perception of Other	+1,2, 3, 29, 32 -23, 38, 39, 40	9	36
5.	Personal adjustment	+8, 5, 53 -12, 17, 24, 48, 57	8	32
6.	Record of achievement	+ 9, 21, 42 - 4,7,19,28,31,34, 58	11	44

From Table 3.5.1 positive and negative statement can be placed in order as :-

Sr. No. of positive statements 1, 2, 3, 8, 9, 14, 18, 21, 27, 29, 32, 37, 45, 47, 50, 51, 53, 54, 60, total 20.

Sr. No. of Negative statements

4, 5, 6, 7, 10, 11, 12, 13, 15, 16, 17, 19, 22, 23, 24, 25, 26, 28, 30, 31, 33, 34, 35, 36, 38, 39, 40, 41, 42, 43, 44, 46, 48, 49, 52, 56, 57, 58, 59,  
Total 40

The responses are scored as ( 4, 3, 2, 1, 0) for (SA, A UD, D, SD) for positive statements .The order of scoring is reversed for scoring of negative statements .The mental health score of subject is sum total of all statements. Maximum possible score on the scale is 240.

### **3.5.2 Job Satisfaction Scale**

#### **Description and Administration**

Job satisfaction scale has been constructed following likert's method. It consist of 30 statements ,the subject responds by encircling any one of the 5 responses symbols (SA, A, UD, D, SD) provided against each statement. The scale is usually responded by teachers within 10- 15 minutes.

## **Scoring**

The scale carries 15 statements stating positive attitude and rest 15 statements express negative attitude of teachers towards teaching profession.

Serial number of statements expressing satisfaction-

1, 3, 5, 6, 10, 11, 13, 15, 17, 19, 20, 21, 23, 25, 27

Serial number of statements expressing dissatisfaction-

2, 4, 7, 8, 9, 12, 14, 16, 18, 22, 24, 26, 28, 29, 30

Scoring order for positive and negative statement is taken to be 4, 3, 2, 1, 0 and 0, 1, 2, 3, 4, for S.A., A, UD, SD respecting .

### **3.6 Procedure of data Collection**

The collection of data was spread over a period of 12 days. The collection of data was done in 12 special schools of Indore city. The researcher personally visited the schools which were selected for the study. Then she took permission of the heads of the schools for administering the test and fixed up the dates.

The investigator met the teachers of the concerned schools personally and made clear about the purpose of administration of such a scale on them and expected full cooperation from them. The instruction regarding the procedure to be adopted was explained by the



investigator. Teachers were assured that their responses would be used for research purpose only and will be kept confidential. They were suggested to give free frank and honest responses without any hesitation. The teachers were asked to read the instructions written on the first page of the scale carefully before working on it.

### **3.7 Procedure of Data Analysis**

In order to analyse the raw data suitable statistics like mean, t-test, correlation were used.

### **3.8 Summary –**

In this chapter different types of techniques used along with data collection, nature of sample and statistical analysis of the data were discussed. In the next chapter findings of the study as well as their discussion will be presented .