CHAPTER-III
METHODOLOGY

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3.0 INTRODUCTION

This chapter deals with the methodology employed to achieve the objectives of the study mentioned in chapter one keeping in view the nature and objective of the study suitable sample was selected and tools were developed. This chapter deals with the research design, sample, tools, data collection and statistical techniques used for analysis of data.

3.1 METHOD OF STUDY

Survey method was employed for the study.

3.2 SAMPLE

Random sampling technique was employed for the study. The sample consisted of 140 Prospective teachers of four classes having different subjects studying in the session 2018-2019 of various government and private B.Ed. colleges of Bhopal. There were 88 girls and 52 boys. The class-wise, subject-wise and gender-wise distribution of sample is given below.

Table 3.1: Class-wise, subject-wise and gender-wise distribution of Sample

S.No.	Name of the class	Girls	Boys	Total
1.	B.Sc.B.Ed.	20	15	35
2.	B.A.B.Ed.	25	10	35
3.	B.Ed.(LANGUAGE)	17	15	32
4.	B.Ed.(SCIENCE)	26	12	38
Total		88	52	140

3.3 TOOL

A questionnaire consisting of five items on knowledge about the climate change and 38 items related to the perception on climate change was developed by the investigator. The items on perception were developed on the Likert's five point scale such as, Strongly Agree, Agree, Undecided, Disagree, Strongly Disagree. There were 16 positive items and 16 negative items. The scoring for the positive items were Strongly Agree (5), Agree (4), Undecided (3), Disagree (2), and Strongly Disagree (1). This was reverse in case of the negative items.

3.4 PROCEDURE OF DATA COLLECTION

The knowledge on climate change items and the items related to the Perception on Climate Change were given on a single tool. It was administered to all the respondents. They took their own time. The maximum time taken by the respondents was 21 minutes. The responses were scored as per the procedures mentioned.

3.5 STASTICAL TECHNIQUES USED FOR ANALYSIS OF DATA

Mean, Standard Deviation and 2x2x4 Factorial design anova of unequal cell size were used for analysis of data.