

**CHAPTER – III**  
**RESEARCH METHODOLOGY**

### **3.0 INTRODUCTION:-**

**Method-** The specific techniques, tools or procedures applied to achieve a given objective research-methods in economics mathematical analysis operations research surveys data gathering etc. Is defined as a highly intellectual human activity used in the investigation is of nature and matter and deals specially with the manner in which the manner in which data is collected analyzed and interpreted

Methodology and method are often incorrectly used interchangeable

**Methodology-** The study of the general approach to inquiry in a given field.

Research Methodology is a systematic framework used to solve the research problem by using the best and most feasible methods to conduct the research while aligning with the aim and objectives of your research.

The research methodology includes answering the what, why, and how of your research. To put it in simpler words, you will explain about:

**WHAT** – What is your research method, what tools you will use to collect and analyze the data, what would be your sample size, and so on?

**WHY** – Why you are choosing what you have planned to choose?

**HOW** – How do you intend to make use of the methods and tools to solve your research problem and carry out the research?

### **3.1 POPULATION :-**

The population of the present research is the 10th class students of Bhopal.

### **3.2 SAMPLE :-**

The sample include four school of Bhopal city of 10<sup>th</sup> class. Researcher select the school randomly for the study .For the present study , descriptive survey method is used.

**Table 3.1 No of schools in Bhopal city**

S. NO.	NAME OF THE SCHOOL	TYPE OF SCHOOL	NO. OF STUDENTS
1.	Demonstration Multipurpose School, Shymla hills	Government	30
2.	Subhash Government Higher Secondary School, Shivaji nagar	Government	30
3.	Rajeev Gandhi Higher Secondary School, Trilanga	Private	30
4.	Little Flower School, Misrod	Private	30

### **3.3 VARIABLE UNDER STUDY :-**

There are two variables which are important in research work. Variable of the present study is.

**1 Dependent variable- Attitude and Awareness**

**2 Independent variable – Environmental Education**

### **3.4 RESEARCH TOOLS**

1. Self-developed **Attitude** of Environmental education scale was designed for the respondents. The tool were constructed based on 5 point Likert-scale. The questionnaire consists of statements with a Likert-scale which included 20 statements. The scale can be administered individually. There is no time limit, however it takes about 25 minutes to administer the whole scale to complete it.
2. Self-developed **Awareness** of Environmental education questionnaire was designed for the respondents. The tool were constructed based on objective type questions . The questionnaire consists of statements with a objective type question which included 20 statements. The test can be administered individually. There is no time limit, however it takes about 25 minutes to administer the whole test to complete it.

### **3.5 DATA COLLECTION PROCEDURE AND ADMINISTRATION:-**

The researcher herself collected all the data from the subjects include in the sample .prior to administering a test , the subjects were acquainted with the purpose of the tests. This was done to establish rapport and to make them feel easy. They were also informed of the general nature and purpose of each test. They were assured that the information collected from them would be kept confidential. This was done to motivate the subjects to take the test with ease and to give true responses without any fear and anxiety. The language used by the test administrator in giving instructions to the subjects was as simple as possible, so that each subject was to understand clearly what was required by the researcher.

First of all they, were asked to fill about their information on the test booklet .then they were given the instruction, which were printed on the cover page. Also, they were asked to read the instructions themselves. When the test administrator was confident that everything was made clear to the students, they were asked to start the work. The filled test booklets were collected from the subject. the response test booklets were scored accordance with the procedure mentioned in the test manual .the data so obtained were subjected to statistical treatment.

### **3.6 STATISTICAL TECHNIQUE USED**

It is important for a researcher to draw logical inferences regarding the ability of her testable hypotheses. The utility of any research work is judged by the acceptance or rejection of these hypotheses. Statistical treatment was given to the data to test the hypotheses. The following statistical operations were used for the analysis of the data to examine the relationship between the Attitude and Awareness OF Environmental Education Correlation-Coefficient is drawn. For testing hypothesis Mean SD and T- test is drawn.