

**CHAPTER - III**

## CHAPTER - III

# METHODOLOGY

### 3.0 INTRODUCTION

Keeping in view the nature, objectives of the study, appropriate sample was selected and tool was developed. This chapter deals with the method of study, population, sample, tools, data collection and statistics used.

### 3.1 METHOD OF STUDY

This is a descriptive research. In this study, the survey method was used to find out the effect of English language proficiency on the academic achievement of students studying in class V of Anand Vihar School, Tulsi Nagar Bhopal.

### 3.2 POPULATION

All the V class students of Anand Vihar School comprise the population of the study. It is a finite population as total number of 110 students of class V of one school make the population.

### 3.3 SAMPLE

A total of 110 students of class V of Anand Vihar School, Bhopal were the subjects of the study. The whole population was taken as the sample. Thus, it was a purposive sampling. There were 53 boys and 57 girls in the sample.

Table No. 1 Details of Sample

Name of School	Boys	Girls	Total No. of Students
Anand Vihar School (Bhopal)	53	57	110

### 3.4 TOOLS USED

The tools used for this study were -

1. A self-made English Language Proficiency Test
2. Academic Achievement i.e. marks obtained in all the tests throughout the session in all the subjects by the students were taken into consideration.

### 3.5 TOOL DESCRIPTION

A language proficiency test was developed the researcher in order to test the English language proficiency of the students. It consisted of three sections as shown in the table below -

Table No. 2 Description of Tool

Sr. No.	Name of the Sections	No. of Questions	Marks Allotted
1.	Word Power	10	47.5
2.	Grammar in use	06	29.5
3.	Expression	04	23
Total		20	100

### 3.6 SCORING PROCEDURE

The details of the scoring procedure adapted by the researcher to score the total is shown in the table below.

Table No. 3 Scoring of Tool

Name of the Section	Item No.	Type of Item	Marks allotted to each item
<u>Section - I</u> <u>Word Power</u>	1 (a)	Making phrases	5 (1 to each sub item of the item.)
	1 (b)	Using phrases in a meaningful way.	5 (1 to each sub item of the item.)
	2.	Matching words of similar meanings. (synonyms)	5 (1 to each sub item of the item.)
	3.	Crossword puzzle	4 (1 to each sub item of the item.)
	4.	Pick the odd word out	2.5 (0.5 to each sub item of the item.)
	5.	Matching words of opposite meanings (antonyms)	6 (1 to each sub item of the item.)
	6.	Spelling the words which are pronounced in the similar way.	5 (1 to each sub item of the item.)

	7.	Completing the sentences with relevant phrases.	5 (1 to each sub item of the item.)
	8.	Use of vowels 'e' and 'i' to make meaningful words	2.5 (0.5 to each sub item of the item.)
	9.	Choosing the word which conveys the statement of the exact meaning of the word.	5 (1 to each sub item of the item.)
	10.	Choosing the appropriate homophone for making meaningful sentences.	2.5 (0.5 to each sub item of the item.)
<b>Section - II</b> <b><u>Grammar in use</u></b>	11.	Use of articles	7.5 (0.5 to each blank of each item)
	12.	Use of tense	4.5 (0.5 to each blank of each item)
	13.	Use of auxiliaries	3.5 (0.5 to each blank of each item)
	14.	Punctuation	3 (1 to each item)
	15.	Degrees of Adjectives	6 (1 to each item)

	16.	Narration (Indirect & Direct Speech)	5 (1 to each item)
<b>Section - III</b> <b><u>Expression</u></b>	17.	Comprehension of the passage	5 (1 to each item)
	18.	Sentence formation	7. (3.5 to each item)
	19.	Letter writing	5
	20	Describing the scene or picture given.	6
<b>Total</b>	<b>20</b>		<b>100</b>

### 3.7 **COLLECTION OF DATA**

The data was collected by administering a tool on 110 students of class V from Anand Vihar School by giving appropriate instructions. This school was randomly selected from a group of English-medium schools located in Bhopal city. Each student took 1 hour 30 minutes to record his/her response. After collection of data the scoring was done by following the required scoring procedure.

### 3.8 STATISTICS USED

Keeping in view the objectives and hypothesis of the study following statistics was used

1. Mean
2. Standard Deviation
3. Coefficient of Correlation,  $r$
4. t-test
5. ANOVA

### 3.9 SUMMARY

In this chapter description of the method of study, population, sample, tools used, data collection and the statistics used have been given.