

CHAPTER -5

Summary And Major Findings

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5.1 Introduction

This chapter presents a brief summary and findings of the study. This is followed by the educational implication used on the findings of the study, suggestions for further research on related topic have also been outlined.

The present study deals with influence of remedial teaching on achievement of class XII students in solving problems based on the concept of Relations and Functions.

Statement of the problem

“A Study of Learning Difficulties in set theory (relations and functions) of Class XII Students and Remedial Measures”.

Variable of the study

Independent Variables:- Remedial teaching

Dependent Variables:- Achivement in relations and functions

Background Variables:- Gender

The researcher used single group pre test post test design to study.

Sample drawn from the private schools in which both are having two science stream sections of class XII and Investigator had choosen one section from each school by adopting purposive sampling technique. So the sample consisted of 54 students.



5.2 Objectives of the study:

Following objectives are kept in view while conducting this investigation:

1. To identify the learning difficulties of class XII students in solving problems based on concept of relations and functions.
2. To diagnose the causes of learning difficulties of class XII students in concept of relations and functions.
3. To design and implement remedial measures in solving problems based on concept of relations and functions and study its effect.

5.3 Hypothesis

The objectives stated above helped the researcher to formulate the major hypothesis of the study.

1. There is no impact of remedial measures on class XII students in solving problems of Relations and Functions.
2. There is no significant difference between the learning difficulties of boys and girls.
3. There is no impact of remedial measures on boys.
4. There is no impact of remedial measures on girls.
5. There is no significant difference between boys and girls of class XII students in their achievement after remedial measures.

5.4 Tool used

Achievement test for pre test as well as post test was prepared on the basis of parallel test by the researcher. The data was tabulated and analyzed by the quantitative statistics.

5.5 Major Findings

- Students committed more conceptual and common error in basic process, followed by computational and perceptual errors .

- The level of the performance of the students in the post test was found to be high after the implementation of the remedial programme.
- The course of remedial teaching in relation and function was equally effective with either sex.
- It was found that the students mean achievement scores were increased and the error were considerably reduced in the post test.
- The intensity of improvement was same in both boys and girls.

5.6 Education Implications

- The remedial teaching used in teaching process help learners to learn the relations and functions effectively.
- The remedial measures helps the teacher to develop new strategies in teaching relations and functions.
- Activities, remedial teaching and new methods of problem solving involved in teaching learning process motivate the students to learn better, hence lead to greater achievement.
- When the remedial teaching is devoid of linguistic difficulties, students are interested, they learn and understand the concept of relation and function in a more positive and enthusiastic manner.

5.7 Suggestions for further Research Studies

The present study being exploratory in nature brings into lime light several issues in which further research can be undertaken. The following are the few suggestions given by the researcher for further research:

- The study can be under taken with a large sample for precise results.
- Different class levels can be selected .

- Remedial teaching may be developed and validated in the other areas of mathematics, such as arithmetic, geometry, statistics etc.
- The relative effectiveness pictorial, audio-visual and activity based learning situation may be studied.
- Effect of using remedial materials in mathematics on achievement of slow learners may be studied.
- The study can be undertaken with the students of Government school.
- A diagnostic study of the errors committed by students of any class in solving problems based on any topic of mathematics may be done.