

CHAPTER- V

Summary And Major Findings

5.0 Introduction

This chapter presents a brief summary and findings to 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 effectiveness of remedial teaching on achievement of IX standard students in solving problems of polynomials.

➤ Variable Of The Study

Independent Variable - Remedial teaching in polynomials.

Dependent variable - Achievement is polynomials

Background variable- Gender

The researcher used single group pre test post test design to study- *Effectiveness of remedial teaching on achievement of IX standard students in solving problem of polynomials.*

Sample was drawn from the selected school. There are two sections of class IX and each section has the strength 30

students. The researcher had taken 40 students from class IX by adopting *purposive sampling technique*, So , the sample school consisted of 40 students of class IX standard .

Tool used

Achievement tests 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.

5.1 Major Findings

The Major findings and conclusion of the present study are given below:-

- Through remedial teaching achievement can be improved and the error committed by students can also be minimized .
- There was a significant increase in the post test scores of both boys and girls.
- There was no significant different in the achievements between boys and girls of IX standard students.
- Remedial teaching adopted was effective for minimizing the error committed by IXth standard students in solving problems of polynomials.

5.2 Educational Implications

This study has a direct implication for classroom teaching, as well as , for the teacher education programme. Some of the major implications visualized are as follows:

- Remedial teaching used in teaching Process helps the learner to minimize the error in polynomials effectively
- 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 polynomials in a more positive and enthusiastic manner.
- Remedial teaching helps the teacher to develop new strategies in teaching polynomials.
- The material of remedial teaching must be provided to all the educational institutions as a compulsory part of teaching learning of polynomials.

5.3 Conclusion

The researcher in the present study came to the conclusion that, it is necessary on the part of teachers not only to find out the error committed by students, but also they should be able to solve

the mathematical Problems using different methods and techniques .

This means that the remedial approach of achievement in algebra through inductive method leads to development of the cognitive domain. Significant difference was found between pre test and post test in solving problems in polynomials. But, no difference was found between girls and boys of IX th standard students in solving problem in polynomials . It may be inferred that the teaching of low achievers with remedial materials prepared after diagnostic test has increased their achievement indicating that the remedial material is actually effective. Therefore, significant difference was found between pre test & post test. In case of girls and boys, there is no generalised differences between their I.Q. This may be due to the personality of the teacher which is friendly, helpful and sympathetic attitude towards girls and boys equally who feel deficient in the subject, and always tries to win their confidence.

1.4 Suggestions

The present study being exploratory in nature brings into time 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 undertaken with a larger 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 of pictorial, audio visual and CD based remedial teaching may be studied.
- It will be interesting to study the effect of the remedial teaching keeping in focus the following variables.
 - (i) Mental age and educational age of the students .
 - (ii) Social and economical background of the students.
 - (iii) parents educational qualifications,
 - (iv) Personality adjustment and emotional intelligence of the students.

Keeping in view the above points further research can be undertaken for the improvement of teaching of mathematics, thus bringing into existence, new dimension of effective mathematics teaching.