

PREFACE

The thesis is incorporated with the results on injective, quasi-injective and relative injective near-rings and near-ring groups. The material presented in this thesis is organized into four chapters, each divided into four or five sections.

In the introductory chapter a background sketch, objective of the work and outcome of the results of the subsequent chapters are briefly presented.

Chapter 1 highlights the existing literature.

Chapter 2 deals with the study of honest and superhonest N-groups. The contents of this chapter form our papers "E-honest near-ring subgroups" published in "Indian J. of Mathematics and Mathematical Science" and "Super-honest N-subgroups" which is accepted for publication in the journal "Advances in Algebra".

Chapter 3 is devoted to the study of relative injective N-groups. Some of the contents of this chapter form the paper "Singularity in E-injective N-group" communicated for publication in "International J. of Pure and Applied Mathematics".

Chapter 4 deals with the study of quasi injective near-ring groups. Some of the contents of this chapter form the paper "Quasi Injective near-ring groups" which is communicated to Far East Journal of Mathematical sciences. Moreover, section 4 of this chapter forms a part of the paper "Super honest N-subgroups" which is accepted for publication in the journal "Advances in Algebra".