

SUBSTRUCTURES OF SMARANDACHE RINGS

Arka Sen
MA06C004
2008

A study of sub Smarandache rings is carried out in this dissertation. Smarandache rings are a special type of rings which has a proper subset which is a field. Substructures like S-ideals, S-quotient ring, S-pseudo ideal, S-cyclic pseudo ideal, S-minimal ideal, S-prime pseudo ideal are studied and analyzed.

This dissertation has four chapters. First chapter is introductory in nature. Basic algebraic substructures are described in chapter two. In chapter we study the concept of Smarandache rings. The final chapter studies the sub structures of S-rings. The book *Smarandache rings* by W.B.Vasantha published by the American Research Press, 2002 is the main reference.