ABSTRACT

The notion of a Γ–rings may be regarded more general than the concept of rings. In this thesis, we study the ideal theory of Γ-rings. In this connection ,we are able to study Γ-ideals , Γ-homomorphisms , Annihilators , prime Γ-ideas ,maximal Γ–ideals , radicals. We are able to establish some results related to the above said concepts. Moreover, we introduce the notion of $^{\ell}\Gamma$–rings , $^{\ell}\Gamma$-ideal , spectrum of prime $^{\ell}\Gamma$-ideal and develop a relationship between, polar $^{\ell}\Gamma$-ideals and regular open sets.