The present study “CONCEPTION AND EVALUATION OF SUPPOSITORIES LOADED NANOPARTICULATES AS DRUG DELIVERY SYSTEM” provides a novel route for the successful delivery of drugs (Anti-cycotics, NSAID’S, Anti depressants, Anti emetics etc.). The present delivery system provides both site specific and targeted delivery of drugs. This present dissertation work explains the phase release mechanism in five steps. This creates interest in the present drug delivery. Chapter 1. Provides the clear and concise introduction about the novel drug delivery system, its advantages, application and the different mechanisms involved in the preparation of nanoparticulates. The chapter also provides the information regarding the suppositories, preparation and methods involved in it. Chapter 2 Review of literature stands as a support for the present dissertation. A number of referred articles were listed out which were used for both formulation and evaluation techniques. Chapter 5 shows different identification and compatibility studies carried out between the drug and excipients used during the formulation development. Chapter 6 and Chapter 7 gives the different formulation and evaluation techniques used in the preparation of chitosan-ASA nanoparticulates, ASA-Suppositories and Suppositories loaded with ASA-nanoparticulates used. Chapter 8 will provides the comparative data for ASA-Suppositories and Suppositories loaded with ASA-nanoparticulates this chapter also provides the safety study carried by histological examination was shown.
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