3. OBJECTIVES:

The prime importance of drug analysis to gain information about the qualitative and quantitative composition of substances and species, that is to find out what a substance is composed of and exactly how much. This information guides development of the manufacturing operation and therapeutic action of drugs. India, a developing country, with fast industrialization and rapid progress on all fronts, is making big strides towards global recognition. The flip side is that the economic prosperity and modern way of life is translating into an increase in lifestyle related diseases. Home to nearly millions of viral diseases today, India is fast becoming the viralatic capital of the world.

3.1 The objective of the present study is to develop and validate the “Analytical methods for Antiviral drugs” with better selectivity and this method applies in industry to assure the good quality of drugs.

3.2 Generally, dosage form used to treat Antiviral used as in single as well as in combination with other antiviral drug. The analytical methods need to be developed for simultaneous determination of assay of some antiviral drugs. The methods will be help to determine the assay of two drugs from pharmaceutical products.

3.3 The developed analytical method will be linear, precise, accurate and robust and will help scientist for regular analysis in pharmaceutical organization by Quality control department.

3.4 The validated analytical method will be stability indicating and will be employed for analysis of stability samples in pharmaceuticals industry.

3.5 Assay test is important part in manufacturing of drug substances and drug products. Assay value determines the purity of product and error in measurement of assay will be creating the impact on end user. End users are human being; hence determination by modern technique like HPLC will be gives the accuracy of results. Hence new analytical method will be developed on new modern instruments like HPLC and method will be help to industry to estimate the potency of drugs accurately.

3.6 The method to be develops for help in “Analytical development lab” to provide the support for experimental study of process development and formulation development study.

3.7 The method to be develops for analytical support in pre-formulation study in pharmaceuticals industry.