Preface

This thesis is based on research work investigated in the laboratory of *Medicinal Chemistry, Pharmacy Department, The M.S University of Baroda, Vadodara,* in the period of April 2004 to April 2007. It consists of two parts: Part A concerning the syntheses and anticancer and antiplatelet activity of 1,4-diazepines and Part B concerning the work on syntheses, biological studies and molecular modeling studies of pyrimidines for anti HIV activity.

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