PREFACE

This dissertation consists of two chapters. The first chapter is introductory which surveys the historical background and incorporates a few relevent basic concepts from the earlier work. Chapter two covers the study of dual integral equations of one variable and two variables with the help of operators of fractional integration of one variable and two variables. Every chapter is divided in to sections and each section is further divided in to subsections. The decimal system has been used in numbering these sections and subsections. Hence 1.21 means first subsection of the second section of the first chapter. The equations are numbered within the chapter and are put within brackets. Thus (2.2) means second equation in the second chapter.

References to the literature that have been used in this work are given at the end of this dissertation and arranged in the order in which these have occured in the text. In the text these have been referred to by putting within square brackets the serial number of the reference and wherever possible the page number. That is, $\sqrt{3,P.100\_7}$ means the page 100 of the third reference.