

# Table of Contents

Preface		v
Foreword		vii
Matrix Theoretic Interpretations of Four Analytic Identities	<i>A. K. Agarwal</i>	1–6
Taylor–Wiles Systems	<i>Eknath Ghate</i>	7–14
The Mellin Transform of the Fourth Power of Riemann’s Zeta-Function	<i>Matti Jutila</i>	15–29
On Dirichlet $L$ -Function Values at Rational Arguments	<i>S. Kanemitsu, Y. Tanigawa and M. Yoshimoto</i>	31–37
Some Results and Problems on Arithmetical Functions	<i>I. Kátai</i>	39–50
Some Results in Number Theory, II	<i>V. Kumar Murty</i>	51–55
A New Theorem on Partitions	<i>Padmavathamma, M. Ruby Salestina and S. R. Sudarshan</i>	57–70
A Survey on $k$ -Freeness	<i>Francesco Pappalardi</i>	71–88
Automorphic Forms and Dirichlet Series	<i>S. Raghavan</i>	89–95
Nonvanishing of $L$ -Functions of Cusp Forms Inside the Critical Strip	<i>A. Raghuram</i>	97–105
Quadratic Reciprocity Via Theta Functions	<i>M. Ram Murty and Allison Pacelli</i>	107–116
On an Arithmetical Inequality, III	<i>S. Srinivasan</i>	117–120
Some Problems and Results in Arithmetic Functions	<i>M. V. Subbarao</i>	121–133
Some Generalisations of Brauer–Rademacher Identity and Menon Sum Identity	<i>V. V. Subrahmanya Sastri</i>	135–141
Central Extensions of a $p$ -adic Division Algebra	<i>B. Sury</i>	143–153
On the GCD of an Infinite Number of Integers	<i>T. N. Venkataramana</i>	155–161