# Contents

Foreword iii

Preface v

Organising Committee vi

List of Participants vii

Publications of Professor R. P. Bambah xi

A Problem on the Fractional Parts of the Powers of 3/2 and Related Questions  
Sukumar Das Adhikari and Purusottam Rath 1–12

Idempotent Generators of Irreducible Cyclic Codes  
Gurmeet K. Bakshi, Madhu Raka and Anuradha Sharma 13–18

On the Partial Fraction Expansion for the Cotangent-Like Function  
R. Balasubramanian, L. P. Ding, S. Kanemitsu and Y. Tanigawa 19–34

Some Unfinished Tasks  
R. P. Bambah 35–41

Incenter Iterations in the Plane and on the Sphere  
A. Bezdek and T. Bisztriczky 43–48

Isoperimetric Networks with Five Regions in the Euclidean Plane  
Michael N. Bleicher and J. Marshall Osborn 49–118

View-Obstruction Problems  
R. J. Hans-Gill and V. C. Dumir 119–127

Minkowski's Successive Minima  
Martin Henk and Jörg M. Wills 129–142

A Formula Relating the Discriminant of Finite Extensions of Local Fields  
and Tignol’s Constant  
Sudesh K. Khanduja and Kaori Ota 143–147
Contents

Vacancy Phenomena in Finite Sphere Packings  
Wlodzimierz Kuperberg  149–154

Polynomials Assuming Square Values  
M. Ram Murty  155–163

Notes on Prime Number Theorem – III  
K. Ramachandra and N. K. Sinha  165–169

Chowla’s Problem on the Non-Vanishing of Certain Infinite Series and Related Questions  
N. Saradha  171–179

Covering with Convex Bodies  
Gábor Fejes Tóth  181–189