Contents

Preface — V

Asma Ali and Md. Hamidur Rahaman

On Structure of *-Prime Rings with Generalized Derivation —— 1

Shakir Ali, Husain Alhazmi, Nadeem Ahmad Dar, and Abdul Nadim Khan A characterization of additive mappings in rings with involution —— 11

Mohammad Ashraf and Ghulam Mohammad Skew constacyclic codes over $F_a + vF_a + v^2F_a - 25$

Thangaraj Asir and Thirugnanam Tamizh Chelvam

Generalized total graphs of commutative rings: A survey —— 37

Boua Abdelkarim, Chillali Abdelhakim, and Zeriouh Mostafa
Differential conditions for which near-rings are commutative rings —— 55

Luisa Carini and Vincenzo De Filippis

Generalized Skew Derivations satisfying the second Posner's theorem
on Lie ideals —— 65

Basudeb Dhara

Generalized Skew-Derivations on Lie Ideals in Prime Rings —— 81

Moulay Abdallah Idrissi, Abdellah Mamouni, and Lahcen Oukhtite

On generalized derivations and commutativity of prime rings with involution —— 91

Karima Alaoui Ismaili and Najib Mahdou
On (n, d)-Krull property in amalgamated algebra —— 101

Noor Mohammad Khan and Ahsan Mahboob Pure ideals in ordered Γ -semigroups —— 111

Hidetoshi Marubayashi and Akira Ueda

Projective ideals of differential polynomial rings over HNP rings —— 121

Tsiu-Kwen Lee

Additive central *m*-power skew-commuting maps on semiprime rings —— 135



Shriram Khanderao Nimbhorkar and Deepali Brijlal Banswal

A Note on CESS-Lattices —— 151

Jae Keol Park and Syed Tariq Rizvi

Properties Inherited by Direct Sums of Copies of a Module —— 163

Sergio Roberto López-Permouth and Nick Pilewski

Modules witnessing that a Leavitt path algebra is directly infinite —— 181

Arangath Raghavan Rajan
Inductive Groupoids and Normal Categories of Regular Semigroups —— 193

Nadeem ur Rehman, Mohd Arif Raza, and Sajad Ahmad Pary
Actions of generalized derivations in Rings and Banach Algebras —— 201

Parackal Govindan Romeo and Sreejamol Panthallor Rajan Proper Categories and Their Duals —— 215

Masahisa Sato

On Nakayama Conjecture and related conjectures-Review --- 227

Ram Parkash Sharma and Meenakshi
On construction of global actions for partial actions —— 243

Meenakshi Pralhadrao Wasadikar and Karuna Tulshiram Gaikwad

On 2-absorbing and Weakly 2-absorbing Ideals in Product Lattices —— 253

Robert Wisbauer

Separability in algebra and category theory —— 265

Nihan Baydar Yarbil and Nurcan Argaç

Annihilators of power values of generalized skew derivations on Lie ideals —— 307

Omar Ait Zemzami, Abdellah Mamouni, and Lahcen Oukhtite
Generalized derivations on prime rings with involution —— 317