

## Preface

Chapter I: Left Goldie Rings.....	1
0. Terminology and Notation.....	2
1. Left quotient rings.....	5
2. Goldie's Theorems. ....	12
3. Nil subrings.....	21
4. Small's Theorem.....	26
Chapter II: Structure of Pli-rings.....	34
1. Matrix rings.....	36
Appendix. ....	41
2. Semi-prime left Goldie semi-ply-rings. ....	45
3. Skew polynomial rings.....	54
4. Johnson's Theorems.....	60
5. Fully left Goldie semi-ply-ipli-rings. ....	67
6. Associated graded ring.....	69
7. Associated graded ring (continued). ....	80
8. Pli-rings with additional conditions. ....	88
Chapter III: Ideal theory of fully left Goldie ipli-rings.....	93
1. Ideal theory - I.....	94
2. Prime factorization.....	104
3. Local fully left Goldie ipli-rings. ....	111
4. Ideal theory - II.....	118
Chapter IV: Pli-domains .....	123
1. Rings with transfinite left division algorithm. ....	124
2. Right global dimension.....	133
Notes.....	137
References.....	138
Index.....	144