

RING THEORY

"One of the most interesting aspects of the book is the fact that the book recalls historical notes of the subject in a meaningful way to develop the interest of the students. The book is written in a very lucid style to explain the concepts of various notions in a very interesting manner which will be liked by the students as well as the teachers of this subject"

Prof. Satya Deo, F.N.A.Sc.

Honorary Scientist, Harish-Chandra Research Institute, Allahabad, India
Formerly Vice Chancellor APS University, Rewa, and R.D. University, Jabalpur, (MP).

About the Book

This textbook has been designed for the UG/PG students of mathematics for all universities in India. It is primarily based on the classroom lectures, the authors gave at the University of Delhi. This book could be used both for self-study as well as course text. Full details of all proofs are included along with innumerable solved problems, interspersed throughout the text and at places where they naturally arise, to understand abstract notions. The proofs are precise and complete, backed up by chapter end problems, with just the right level of difficulty, without compromising the rigor of the subject.

The book starts with definition and examples of Rings and logically follows to cover Properties of Rings, Subrings, Fields, Characteristic of a Ring, Ideals, Integral Domains, Factor Rings, Prime Ideals, Maximal Ideals and Primary Ideals, Ring Homomorphisms and Isomorphisms, Polynomial Rings, Factorization of Polynomials and Divisibility in Integral Domains.

About the Authors

Dr. Dinesh Khattar, is currently Professor at the Department of Mathematics, Kirori Mal College, university of Delhi. He is also the former Principal (2015 to 2018) of the same college. He is a Gold medalist in both his B.Sc and M.Sc from Delhi university. He is also the recipient of Dr. S. Radhakrishnan Memorial National Teacher's Award 2015 for his contribution in the field of teaching. He was also awarded the Commonwealth scholarship for pursuing research in UK. He has been actively involved in research for over 3 decades and has presented papers in national and international conferences across the globe. Dr. Khattar has been a member of curriculum development committee for both undergraduate and graduate programs at various universities including the university of Delhi. He is also an author of many books on Mathematics including 'Group Theory' published by Ane Books.

Dr. Neha Agrawal, completed her education from Kirori Mal College, University of Delhi and pursued her M.Phil. and Ph.D. from University of Delhi. Her areas of interest are Nonlinear Dynamical Systems and Chaos Theory. She is working as an Assistant Professor at the Department of Mathematics, Kirori Mal College since 2012 and has also taught in other prestigious colleges like Miranda House, Daulat Ram and NSIT. She has published several research papers in reputed international journals. She is also the co-author of the book **Group Theory** published by Ane Books.



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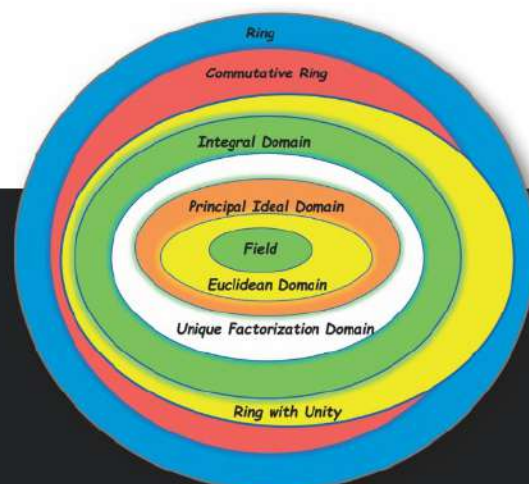


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