

Image not found or type unknown



Khanna Publishing Hose

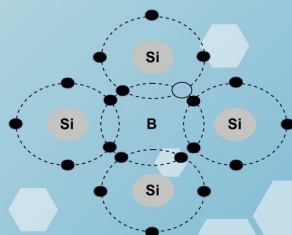
4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

रसायन शास्त्र - I

लैब मैनुअल सहित

मनीषा अग्रवाल



Chemistry I (with Lab Manual) (Hindi)

Author : Manisha Agrawal

ISBN 13 : 978-93-55380-91-3

ISBN 10 : 93-55380-91-7

E-ISBN 13 : 978-93-55380-91-3

Edition : First

Pages : 224

Type of book : Paperback

Weight (g) : 315.00

Year : 2022

Language : Hindi

Publisher : KHANNA BOOK PUBLISHING

Price : Rs 169.65

Categories : [AICTE Prescribed Textbooks](#) , [Hindi Books](#) , [Khanna Publishing House](#)

Condition Type : New

Country Origin : India

Product Description

“Chemistry-I” is a compulsory paper for the first year Undergraduate course in Engineering & Technology. Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome based education.

Book covers seven topics- Atomic and molecular structure, Spectroscopic Technique and applications, Inter-molecular Forces and Potential Energy Surfaces, Use of Free Energy in Chemical Equilibrium, Periodic Properties, Stereo-chemistry, Organic Reactions and Synthesis of Drug Molecules. Each topic is written in easy and lucid manner. Every chapter contains a set of exercise at the end of each unit to test student's comprehension.

Salient Features:

Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.

Book Provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, Projects group discussion etc.

Students and teacher centric subject materials included in book with balanced and chronological manner.

Figures, tables, chemical equations and comparative charts are inserted to improve clarity of the topics.

Short questions, objective questions and long answer exercises are given for practice of students after every chapter.

Solved and unsolved problems including numerical examples are solved with systematic steps.



Table of Contents

Foreword

Acknowledgement

Preface

Outcome Based Education

Course Outcomes

Abbreviations and Symbols

List of Figures

List of Tables

Guidelines for Teacher

Guidelines for Students

1- Atomic and Molecular Structure

2- Spectroscopic Techniques and Applications

3- Intermolecular Forces and Potential Energy Surfaces

4- Use of Free Energy in Chemical Equilibria

5- Periodic Properties

6- Stereochemistry and Organic Reactions

7- Organic Reactions Synthesis of Drug Molecules

8- Annexure

9- Appendices

Author

Manisha Agrawal

Dr. Manisha Agarwal is Dean, Basic Sciences at Chhattisgarh Swami Vivekanand Technical University Bhilai. Professor and head, Department of Chemistry at Rungta College of Engineering & Technology, Bhilai, (C.G.). She completed Ph. D. from Pt. Ravishankar Shukla University, Raipur in 1999. Since then she has been engaged in teaching and research. Dr. Manisha has authored several papers which have been published in SCI indexed International and National journals. She has organised more than 10 Conferences and workshops as convener among them four were International Conferences. She has credited five books as author, three patents as inventor and applicant and six Research Project Grants as Principal Investigator from Government Funding agencies like AICTE, CCOST and CSVTU. She has supervised 5 M. Phil. Students, 12 BE and Diploma students. Presently 6 research scholars are perusing Ph. D. under her supervision.



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320