

Book Description:

The book has been written in simple language to help self study. The concepts have been explained with the help of equations and diagrams. The diagrams have been nicely labeled for clear understanding. Numerical examples have been solved with systematic steps. Solved and unsolved problems have been included. Experiments prescribed for engineering Chemistry course have been included. Theory and principle of each experiment have been explained in detail. Experimental procedures have been written in a stepwise manner. Viva voce has been discussed at the end of each experiment. Important points have been emboldened. table of content1 - water and its treatment - fuels3 - Gaseous State4 - thermochemistry5 - The Phase Rule6 - catalysis.

Table of Content:

Preface	iii
Atomic and Molecular Structure	1
Spectroscopic Techniques and Applications	35
Intramolecular Forces and Potential Energy Surface	80
Use of Free Energy in Chemical Equilibria	104
Periodic Properties	136
Stereochemistry and Organic Reactions	178
Objectives	217
Index	228

About the Authors:

Satya Prakash is presently professor of Chemistry at Guru Teg Bahadur Institute of Technology, GGSIP University, New Delhi. He has earlier been associated with teaching and research work at Delhi University, University of Jodhpur, University of New South Wales, Sydney (Australia), La Trobe University, Melbourne (Australia) and University of Zambia, Zambia for about 40 years. Dr. Prakash has published about 25 research papers in National and International Journals of repute. He has also vetted and edited a number of books published by The Ministry of HRD, Government of India.

Manisha Agrawal is presently DEAN at Basic Sciences, Chhattisgarh Swami Vivekananda Technical University, Bilai. She has working as Professor and Head, Department of Chemistry, Rungta College of Engineering and Technology, Bhalai, C.G.