



Textbook of Physical Chemistry (2nd Revised edition)

By H. K. Moudgil

Prentice-Hall of India Pvt.Ltd. Paperback. Book Condition: new. BRAND NEW, Textbook of Physical Chemistry (2nd Revised edition), H. K. Moudgil, This thoroughly revised and updated second edition covers the principal areas of physical chemistry, such as thermodynamics, quantum chemistry, molecular spectroscopy, chemical kinetics, electrochemistry and nanotechnology. In an accessible style, the book discusses classical, irreversible and statistical thermodynamics and statistical mechanics, and describes macroscopic chemical systems, steady states and thermodynamics at a molecular level. It explains the underlying principles of quantum mechanics, molecular spectroscopy, X-ray crystallography and solid state chemistry along with their applications. The book explains various instrumentation techniques such as potentiometry, polarography, voltammetry, conductometry and coulometry. It also describes kinetics, rate laws and chemical processes at the electrodes. In addition, the text deals with the chemistry of corrosion and nanomaterials. This text is primarily designed for undergraduate and postgraduate students of chemistry. Key features: Gives a thorough treatment to ensure a solid grasp of the material. Presents a large number of figures and diagrams that help amplify key concepts. Contains several worked-out examples for better understanding of the subject matter. Provides numerous chapter-end exercises to foster conceptual understanding.



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