



Engineering Chemistry, (Third Edition)

By D. Madhavan, N. Krishnamurthy, P. Vallinayagam

PHI Learning 0. Softcover. Book Condition: New. 3rd edition. This book, now in its third edition, is revised and elaborated specifically to address the needs of the latest course curriculum in Engineering Chemistry for the first-year students of all branches of engineering. The topics covered in the book are customarily taught in several universities and institutes. The book exposes students to fundamental knowledge in: ? Treatment of water, polymers and composites ? Applications of surface chemistry and the concept of nuclear energy and energy storage devices ? Chemical thermodynamics and nanochemistry ? Electrochemistry and principles involved in corrosion and its inhibition, and protective coatings ? Analysis of fuels and combustion, phase rule, important analytical techniques (spectroscopy) and photochemistry ? Manufacturing processes, properties and applications of glass and cement Key Features ? Several worked-out examples to help students reinforce their comprehension of theory. ? Numerous short and descriptive questions at the end of each chapter to test and foster students' conceptual understanding of the subject. ? Chapter-end problems to help students become proficient in problem-solving. Contents: Foreword ? Preface 1. Water Technology 2. Polymers and Composites 3. Surface Chemistry 4. Nuclear Energy 5. Batteries 6. Refractories 7. Abrasives 8. Lubricants 9....



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