



Anshan

Engineering Chemistry

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KEY SELLING POINTS

- * Cross-disciplinary
- * Mathematical approach
- * Discusses theory and practice

THE BOOK

This book has been written to provide a comprehensive overview of the fundamental concepts of chemistry applied across all branches of engineering. It gives a synopsis of a broad range of subject areas, from the theory of thermodynamics to the practical function of aerosols, from solid state chemistry to the causes of the greenhouse effect. Consisting of 13 chapters, "Engineering Chemistry" contains an appendix of multiple choice questions and answers to enhance the pedagogical strength of the text. It also provides numerical problems which complement and assist in the understanding of its mathematical approach. This book can be used as a textbook on a diverse range of engineering courses, or alternatively it will serve as an excellent general reference resource for any academic and professional engineering library.

CONTENTS

1. Thermodynamics-I 2. Thermodynamics-II 3. Chemical Kinetics 4. Catalysis 5. Electrochemistry 6. Solid State Chemistry 7. General and Co-ordination Chemistry – Chemical Bonding – Co-ordination Chemistry 8. General Organic and Polymer Chemistry 9. Fuels and Combustion 10. Characterization of Organic Compounds 11. Phase Equilibrium 12. Corrosion 13. Environment and Pollution

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