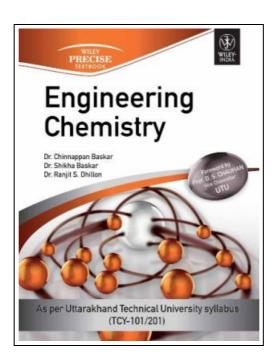
Engineering Chemistry for UTU



Filesize: 7.92 MB

Reviews

This composed book is excellent. This really is for all who statte that there had not been a worth reading through. Your life period will probably be change as soon as you total looking over this ebook. *(Cheyanne Barrows)*

ENGINEERING CHEMISTRY FOR UTU



Wiley India Pvt. Ltd, 2012. Softcover. Book Condition: New. Engineering Chemistry is exclusively designed for the first-year engineering undergraduate students of Uttarakhand Technical University (UTU). This book aims to impart to students an in-depth knowledge of various aspects of chemistry as applied to engineering. This textbook contains 10 chapters covering all the disciplines of Engineering Chemistry and deals with various branches of chemistry - physical, inorganic, organic, and analytical - and extends the application of concepts to organic reaction mechanisms, stereo chemistry, etc. Other topics covered include chemical kinetics, electrochemistry, water and its treatment, fuels and combustion, and chemical and instrumental methods of analyses. 1.General Chemistry Learning Objectives 1.1Valence Bond Theory 1.2Hybridization and Shapes of Molecules 1.3Molecular Orbital Theory 1.4Metallic Bond 1.5Hydrogen Bond 1.6van der Waals Forces 1.7Solid State 1.8Space Lattice and Unit Cell 1.9Types of Unit Cell 1.10Cubic Lattice 1.11Crystal Structure 1.12Bragg?s Law - X-Ray Structure of Crystals 1.13Liquid Crystals and Their Applications 1.14 Fullerenes - Structure and Applications Applications Key Terms Objective-Type Questions Review Questions Numerical Problems Answers 2. Organic Reaction Mechanisms Learning Objectives 2.1Bonding in Organic Molecules 2.2Electronic Displacement Effects in Organic Molecules 2.3Reactive Intermediates 2.4Attacking Reagents in an Organic Reaction 2.5Types of Organic Reactions 2.6Addition Reactions 2.7Substitution Reactions 2.8Elimination Reactions 2.9Rearrangement Reactions 2.10Some Name Reactions Key Terms Objective-Type Questions Review Questions Answers 3. Stereochemistry Learning Objectives 3.1Stereoisomerism 3.2Chirality and Optical Activity 3.3Optical Isomerism 3.4Configuration 3.5Geometrical Isomerism 3.6Conformational Isomerism Key Terms Objective-Type Questions Review Questions Numerical Problems Answers 4. Chemical Kinetics Learning Objectives 4.1Rate of Reaction 4.2Order and Molecularity 4.3Integrated Rate Equations and Half Lives 4.4Pseudo-First-Order 4.5Temperature Dependence of Rate of Reactions 4.6Theories of Reaction Rates 4.7Catalysts Types of Catalysts Types of Catalytic Reactions Mechanism of Catalysis Key Terms Objective-Type Questions Review Questions Numerical Problems Answers 5. Electrochemistry Learning Objectives 5.1 Electrical Conductance 5.2 Electrochemical Cells 5.3 Electrode Potential 5.4 Galvanic...

- Read Engineering Chemistry for UTU Online
- **Download PDF Engineering Chemistry for UTU**

Other eBooks

		$\$
	-	≽

Write Better Stories and Essays: Topics and Techniques to Improve Writing Skills for Students in Grades 6 - 8: Common Core State Standards Aligned

Createspace Independent Publishing Platform, United States, 2012. Paperback. Book Condition: New. 277 x 211 mm. Language: English . Brand New Book ***** Print on Demand *****.Mr. George Smith, a children s book author, has been... Save Document

	\square
-	>

The genuine book marketing case analysis of the the lam light. Yin Qihua Science Press 21.00(Chinese Edition) paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2007-01-01 Pages: 244 Publisher: Science Press Welcome Our service and quality... Save Document

\rightarrow

Look Up, Look Down! (Pink A)

Pearson Education Limited. Book Condition: New. This title is part of Pearson's Bug Club - the first whole-school reading programme that joins books and an online reading world to teach today's children to read. In... Save Document

\rightarrow

Yearbook Volume 15

»

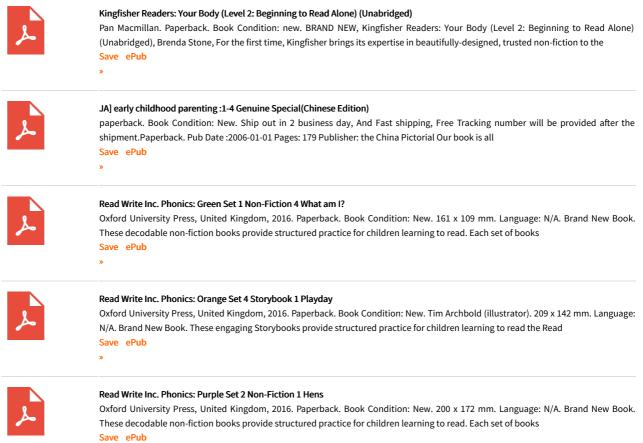
RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 58 pages. Dimensions: 9.7in. x 7.4in. x 0.1in.This historic book may have numerous typos and missing text. Purchasers can usually download a free... Save Document

\rightarrow	

Kindle Fire Tips And Tricks How To Unlock The True Power Inside Your Kindle Fire

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 52 pages. Dimensions: 9.0in. x 6.0in. x 0.1in.Still finding it getting your way around your Kindle Fire Wish you had... Save Document

»



»