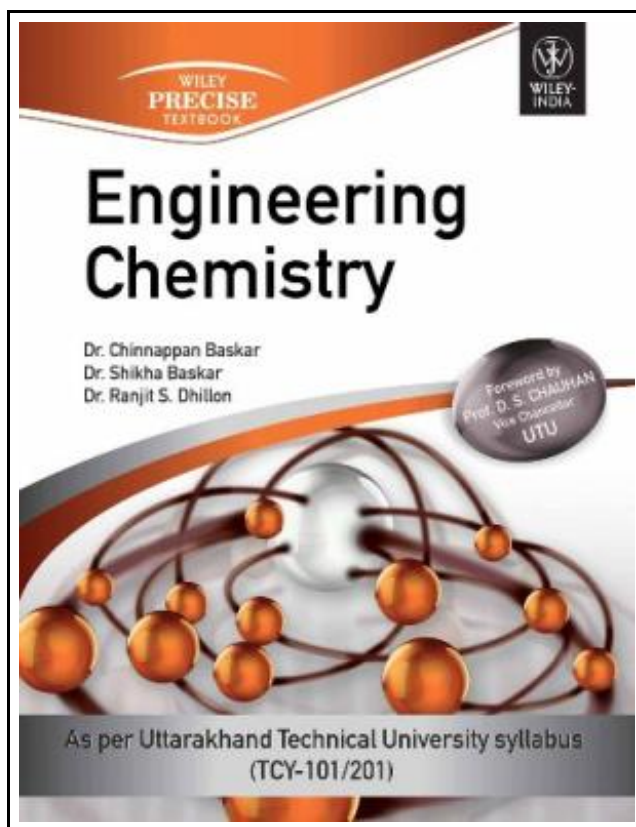


Engineering Chemistry for UTU



Filesize: 4.52 MB

Reviews

This pdf is so gripping and intriguing. I could comprehend almost everything using this composed ebook. You are going to like just how the article writer created this ebook.
(Miss Dakota Zulauf)

ENGINEERING CHEMISTRY FOR UTU

DOWNLOAD



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 1.1 Valence Bond Theory 1.2 Hybridization and Shapes of Molecules 1.3 Molecular Orbital Theory 1.4 Metallic Bond 1.5 Hydrogen Bond 1.6 van der Waals Forces 1.7 Solid State 1.8 Space Lattice and Unit Cell 1.9 Types of Unit Cell 1.10 Cubic Lattice 1.11 Crystal Structure 1.12 Bragg's Law - X-Ray Structure of Crystals 1.13 Liquid 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 2.1 Bonding in Organic Molecules 2.2 Electronic Displacement Effects in Organic Molecules 2.3 Reactive Intermediates 2.4 Attacking Reagents in an Organic Reaction 2.5 Types of Organic Reactions 2.6 Addition Reactions 2.7 Substitution Reactions 2.8 Elimination Reactions 2.9 Rearrangement Reactions 2.10 Some Name Reactions Key Terms Objective-Type Questions Review Questions Answers

3. Stereochemistry Learning Objectives 3.1 Stereoisomerism 3.2 Chirality and Optical Activity 3.3 Optical Isomerism 3.4 Configuration 3.5 Geometrical Isomerism 3.6 Conformational Isomerism Key Terms Objective-Type Questions Review Questions Numerical Problems Answers

4. Chemical Kinetics Learning Objectives 4.1 Rate of Reaction 4.2 Order and Molecularity 4.3 Integrated Rate Equations and Half Lives 4.4 Pseudo-First-Order 4.5 Temperature Dependence of Rate of Reactions 4.6 Theories of Reaction Rates 4.7 Catalysts 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

Relevant PDFs



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...

[Read Book »](#)



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...

[Read Book »](#)



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...

[Read Book »](#)



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...

[Read Book »](#)



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...

[Read Book »](#)

**Dom's Dragon - Read it Yourself with Ladybird: Level 2**

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Dom's Dragon - Read it Yourself with Ladybird: Level 2, Mandy Ross, One day, Dom finds a little red egg and soon he is the owner

[Save Document »](#)

**Read Write Inc. Phonics: Orange Set 4 Storybook 1 Playday**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 209 x 142 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read

[Save Document »](#)

**Read Write Inc. Phonics: Grey Set 7 Non-Fiction 2 a Flight to New York**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 213 x 98 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books

[Save Document »](#)

**Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]**

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to

[Save Document »](#)

**Read Write Inc. Phonics: Green Set 1 Non-Fiction 3 Let s Go!**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 215 x 88 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books

[Save Document »](#)