



Applied Chemistry (with Lab Manual)

Author :	Anju Rawlley
ISBN 13 :	978-93-55381-84-2
ISBN 10 :	93-55381-84-0
E-ISBN 13 :	978-93-55381-84-2
Edition :	First
Pages :	276
Type of book :	Paperback
Weight (g) :	360.00
Year :	2025
Language :	Hindi
Publisher :	Khanna Publishing House
Categories :	AICTE Prescribed Textbooks , Ebooks , Hindi Books
Condition Type :	New
Country Origin :	India

Product Description

This text book o “Applied Chemistry” is development as per AICTE model curriculum ,2018, for compulsory course on Applied Chemistry of first years Diploma Program in Engineering and Technology. Atomic Structure, Chemical Bonding & Solution, Water, Engineering Materials, Chemistry of fuels & Lubricants and Electrochemistry are the five units of this book, comprising of both practical and theory. Some salient features of the book: 1. Course Outcomes and Unit Outcomes are written specifically and are mapped with program Outcomes. 2. Utmost care have been taken to amalgamate the philosophy of outcome based education. 3. The structure of the textbook is comprehensive, where in practical exercises are integral part of each unit. 4. The text is presented in a very simple way with illustrations, examples, tables, flow chart, self -assessment questions and their solutions. 5. Micro projects, points/issue for the creative inquisitiveness & curiosity, know more, video links, case study and summary points are integral part of each unit to facilitate the students to develop the attitude of scientific inquiry, investigate the cause and effect relationship, systematic, scientific & logical thinking , ability to observe, analyse and interpret. 6. To meet the requirement of outcome based education (OBE) and outcome based assessment (OBA), criterion referenced testing (CRT) have been used as an integral part of assessment in each practical. 7. Sample QR codes have been provided in each units on some topics/sub topics for supplementary reading and reinforcing the learning.

Table of Contents

Foreword Acknowledgement Preface Outcomes Based Educations Course Outcomes Abbreviations and Symbols List of Figures List of Tables Guidelines for Teachers Guidelines for students UNIT 1: Atomic Structure, Chemical Bonding and Solutions. **UNIT 2:** Water. **UNIT 3:** Engineering Materials. **UNIT 4:** Chemistry of Fuels and Lubricants. **UNIT 5:** Electro Chemistry.

Authors

Anju Rawlley Devdatta Vinayakrao Saraf



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320