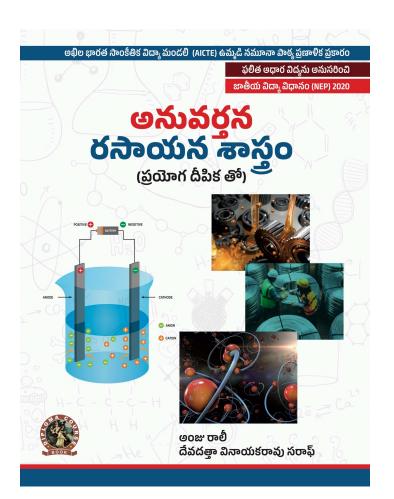
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# **Applied Chemistry (with Lab Manual)**

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#### **Product Description**

This textbook o "Applied Chemistry" is development as per AICTE model curriculum ,2018, for compulsory course on Applied Chemistry of first years Diploma Programming 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 programming 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, analysis 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 unit on some topics/subtopics for supplementary reading and reinforcing the learning.

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