

TEXTBOOK OF PHARMACEUTICAL ORGANIC CHEMISTRY-I

Exclusively Prepared for Pharmacy Council of India (PCI) First Year B. Pharm. (Semester-II)

The present book is a fundamental resource for first-year (Sem-II) B. Pharmacy students and strictly written in adherence with the new syllabus of the PCI. It covers essential topics in organic chemistry with a focus on their relevance to the pharmaceutical industry. This textbook delves into the structure, properties, and reactions of organic compounds, emphasizing compounds of pharmaceutical significance. Students will learn about functional groups, nomenclature, isomerism, and various chemical reactions. Additionally, the 5 chapters of book often includes examples and simplified mechanisms, making it a valuable tool for understanding the practical applications of organic chemistry in the pharmaceutical sector. "Pharmaceutical Organic Chemistry-I" serves as a vital foundation for students pursuing a career in pharmacy and related fields.

SALIENT FEATURES

- ❖ The book provides a comprehensive overview of organic chemistry topics relevant to the pharmaceutical industry.
- ❖ The text is written in an easy-to-understand language, catering to the needs of first-year students.
- ❖ It includes real-life examples and case studies from the pharmaceutical sector to connect theory with application.
- ❖ The book often incorporates diagrams, structures, mechanisms and chemical reactions to aid visual understanding.
- ❖ The book includes practice problems, MCQs and exercises to reinforce learning.
- ❖ Written by authors with expertise in the field, ensuring reliable and up-to-date content.
- ❖ The content is tailored to the level of understanding and knowledge expected of first-year pharmacy students.



Dr. Atul R. Bendale is presently working as a Professor at Shree Mahavir Education Society's, Mahavir Institute of Pharmacy, Nashik, Maharashtra. He is having 15 years of experience in academics. His research area of interest is green organic synthesis. He is the author of 16 books, holds 6 patents and published 50 papers in reputed journals. He is recipient of prestigious *Bharat Gaurav Puraskar* and *Best Educationist Award* for his remarkable contribution in the field of education. Actively he is working as reviewer and editor for several journals.



Kishor R. Danao, Assistant Professor at Dadasaheb Balpande College of Pharmacy, Nagpur. He is having 15 years of teaching and administration experience. His research area of interest is phytopharmacology, synthesis of compounds, and molecular docking. He has guided U.G. & P.G. students. Credentials, he is the author of 03 books and published 10 chapters, 35 research and review papers in reputed journals and 2 patent. He has the soft skill to handle molecular simulation software, and also in the handling of various pharmaceutical instruments.



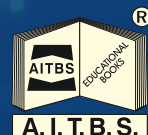
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