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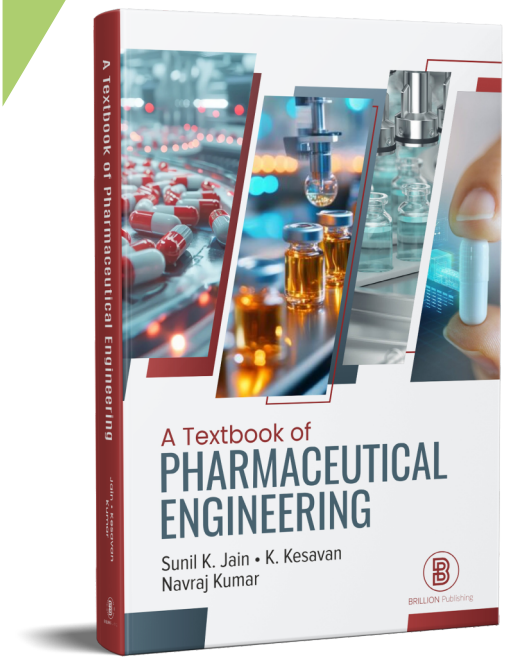
A Textbook of PHARMACEUTICAL ENGINEERING



ISBN: 978-93-48542-34-2
e-ISBN: 978-93-48542-32-8
Pages: 315
2026
Printed Copy
Paperback ₹ 795/-

About the Book

The book is designed to provide a comprehensive understanding of the fundamental principles and applications of engineering concepts in the field of pharmacy. It will serves as a bridge between pharmaceutical sciences and industrial practices, covering essential unit operations and processes involved in the development, design, and manufacturing of pharmaceutical products. The primary objective of this book is to cultivate a thorough understanding of fundamental engineering principles that are essential to pharmaceutical manufacturing. By integrating theoretical foundations with practical insights, the book aims to equip readers with the technical competence necessary for successful careers in pharmaceutical production, quality assurance, regulatory compliance, and research and development.

Salient Features of the Book

- **Complete Syllabus Coverage.** Designed in accordance with the *PCI-recommended syllabus (BP304T)* for the B.Pharm. program under CBCS, covering all units comprehensively in a single book.
- **Student-Friendly Language.** Concepts are explained in simple, clear, and concise language, making it easy for undergraduate students to grasp engineering principles without prior technical background.
- **Well-Organized Content Structure.** Each chapter is logically structured with learning objectives, detailed explanations, diagrams, and practical examples to enhance conceptual clarity.
- **Self-Assessment Tools.** Includes MCQs, short answer type questions, and long answer type questions at the end of each chapter for self-evaluation and exam preparation.
- **Updated and Advanced Content.** Provides latest trends and updated technical information not commonly found in existing textbooks, offering added value over competing titles.

Sunil K. Jain • K. Kesavan • Navraj Kumar

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ISBN: 978-93-48542-34-2
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