

# PHARMACEUTICAL ENGINEERING

Principles and Practice

## Unit Operations

Abridged with PCI Syllabus of B.Pharmacy

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Former Director, Div's Laboratories, Hyderabad)

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### Preface to the Third Edition

The book entitled 'Pharmaceutical Engineering' was introduced by us in 2001. Over 15 years, this book has been patronized by teachers and students alike. This encouraged us to revise periodically and the current edition is 3<sup>rd</sup> edition. The 2<sup>nd</sup> edition of pharmaceutical engineering was available in two volumes I and II, in tune with the syllabus prescribed by several universities in two semesters and on the lines of syllabus prescribed by AICTE.

This edition is framed as per the prescribed syllabus of the Pharmacy Council of India (vide no. 6, 7 and 8 of Bachelor of Pharmacy (B.Pharm) course regulations 2014, which is applicable throughout India. The syllabus identified only 14 chapters and accordingly modified. These are: Industrial Processing & Basic Principles, Flow of Fluids, Size Reduction, Size Separation, Flow of Heat, Evaporation, Distillation, Drying, Mixing, Filtration, Centrifugation, Materials of Construction, Corrosion and Transportation of Solids.

The present attempt provides ample scope for expanding and thorough revision of the content area. Efforts were made to present the information in brief manner. In this edition, objectives are included at the beginning of the chapter and summary is appended at the end of each chapter. The format and importance of the earlier editions is maintained for the flexibility and readability. Comments are welcomed. Over the years, the experience accrued over these books made us have a fresh look at this book. Special emphasis was maintained on the lines of expectations.

1. Application of principles
2. A number of illustrations on the lines of concept mapping
3. Common type questions and answers
4. MCQs and key and question bank

Suggestions and criticism are welcome from teachers and students.

# Subramanyam Text Pharmaceutical Engineering

**Bellary Shamanna Kesavan**



**Subramanyam Text Pharmaceutical Engineering:**

## Reviewing **Subramanyam Text Pharmaceutical Engineering**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Subramanyam Text Pharmaceutical Engineering**," an enthralling opus penned by a highly acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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