

PHARMACEUTICAL ENGINEERING

Principles and Practice

Unit Operations

Abridged with PCI Syllabus of B.Pharmacy

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Dedicated to
Dr. P. Omaha Rao
(Retired Professor & Principal of
Mangal College of Pharmaceutical Sciences, Mangal,
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 3rd edition. The 2nd 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 acknowledged. 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.

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JE Gale



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