



Unit Operations of Chemical Engineering (Seventh Edition)

By Julian C. Smith, Peter Harriott, Warren McCabe

McGraw Hill Education, 2014. Softcover. Book Condition: New. 5th or later edition. (Indian Edition) Unit Operations of Chemical Engineering, 7th edition continues its lengthy, successful tradition of being one of McGraw-Hill's oldest texts in the Chemical Engineering Series. Since 1956, this text has been the most comprehensive of the introductory, undergraduate, chemical engineering titles available. Separate chapters are devoted to each of the principle unit operations, grouped into four sections: fluid mechanics, heat transfer, mass transfer and equilibrium stages, and operations involving particulate solids. Now in its seventh edition, the text still contains its balanced treatment of theory and engineering practice, with many practical, illustrative examples included. Almost 30% of the problems have been revised or are new, some of which cover modern topics such as food processing and biotechnology. Other unique topics of this text include diafiltration, adsorption and membrane operations. Contents: Section 1 Introduction 1 Definitions and Principles Section 2 Fluid Mechanics 2 Fluid Statics and Its Applications 3 Fluid Flow Phenomena 4 Basic Equations of Fluid Flow 5 Incompressible Flow in Pipes and Channels 6 Flow of Compressible Fluids 7 Flow past Immersed Objects 8 Transportation and Metering of Fluids 9 Agitation and Mixing of Liquids Section...



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