

# Textbook Of Hydraulics Fluid Mechanics And Hydraulic Machines

## Rs Khurmi

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**Fluid Mech & Hydraulic Mac** Sukumar Pati 2012

**Rotating Hydraulics** Lawrence L.J. Pratt 2007-12-26 This book thoroughly covers the development of the theory of rotating hydraulics, making frequent use of supporting laboratory models and observational data. The need to understand rotating hydraulic phenomena is growing as general interest in climate and global circulation is continuously increasing. The book details cutting-edge research and includes many exercises.

**Hydraulics and Fluid Mechanics** Richard Silvester 2014-05-16 Hydraulics and Fluid Mechanics is a collection of papers from the Proceedings of the First Australian Conference held at the University of Western Australia on December 6-13, 1962 at Nedlands, Australia. This book deals with the science of hydraulics and fluid mechanics in their practical uses in industry and research. In special situations when high-pressure oil is used in mechanical equipment, hydraulic lock is preferred for valve control. This book reviews the pressure drop in the pneumatic transfer of granular solids in a pipe where a formula is derived to determine the pressure drop when using either a straight or bent pipe. This text also discusses the improvements on the cavitation performance of flow pumps by using prerotation at design points. The construction of a dam in Tasmania provides another study on the behavior of rock-fill slopes subjected to seepage. Here, the book analyzes the hydraulic forces acting on the rock particles, and explains theories on the derivation of the dynamic equation for spatially varied flow with increasing discharge on a steep slope. The book also examines the concept of critical depth in spatially varied flow with increasing discharge on a steep slope. This book investigates the use of a computer model designed to determine the methods of draining flooded farmlands either through hydraulically or electrically operated drainage systems. This text also evaluates the cost of constructing a project. This collection is suitable for people in the field of applied mathematics, physics, and engineering.

**Basics of Hydraulic Systems** Qin Zhang 2008-09-22 Draws the Link Between Service Knowledge and the Advanced Theory of Fluid Power Providing the fundamental knowledge on how a typical hydraulic system generates, delivers, and deploys fluid power, Basics of Hydraulic Systems highlights the key configuration features of the components that are needed to support their functiona

**Hydraulic Control Systems** Shizurou Konami 2016-08-19 A hydraulic system controls the transmission of energy. It transforms the mechanical energy of a prime motor into fluid energy. It controls the fluid configuration and transforms the fluid energy into mechanical work at specified locations. Hydraulic systems feature high power density, sensitive response and precision of control, especially when operating under computer control. Thus, they have been widely used as the energy transmission control systems in aircraft, ships, construction machinery, machine tools and others. Therefore, it is indispensable for a mechanical engineer to become versed with hydraulic control technology. The technology is mainly associated with fluid mechanics and control theories, but it is related to the wider field of engineering as well. This book provides a comprehensive treatment of the analysis and design of hydraulic control systems which will be invaluable for practising engineers, as well as undergraduate and graduate students specializing in mechanical engineering. Firstly, the fundamental concepts of hydraulic control systems are addressed, and illustrated by reference to applications in the field of aviation engineering. Secondly, the fluid mechanics necessary for the comprehension of hydraulic elements are provided. The technology of the hydraulic components composing

hydraulic control systems is addressed, the key focus being on how to apply theoretical concepts into the design and analysis of hydraulic components and systems. Finally, there is a discussion on fundamental control technology and its application to hydraulic servo systems. This includes the formation of hydraulic servo systems, basic control theorems, methods identifying the dynamic characteristics of hydraulic actuator systems, and a design method for hydraulic control systems. Numerical exercises are provided at the end of each chapter. Request Inspection Copy

A Textbook of Thermal Engineering RS Khurmi | JK Gupta 2008 Two new chapters on eneral Thermodynamic Relations and Variable Specific Heat have been Added.The mistake which had crept in have been elinimated.we wish to express our sincere thanks to numerous professors and students,both at home and abroad,for sending their valuable suggestions and also for recommending the book to their students and friends.

**Fluid Mechanics: Including Hydraulic Machines** A. K. Jain 2011

**Fluid Mechanics & Hydraulic Machines** K. Subramanya 2001 *Schaum's Outline of Theory and Problems of Fluid Mechanics and Hydraulics* Ranald V. Giles 1995 If you want top grades and excellent understanding of fluid mechanics and hydraulics, this powerful study tool is the best tutor you can have! It takes you step-by-step through the subject and gives you accompanying related problems with fully worked solutions. You also get hundreds of additional problems to solve on your own, working at your own speed. This superb Outline clearly presents every aspect of fluid mechanics and hydraulics. Famous for their clarity, wealth of illustrations and examples, and lack of dreary minutiae, Schaum's Outlines have sold more than 30 million copies worldwide. Compatible with any textbook, this Outline is also perfect for self-study. For better grades in courses covering fluid mechanics and hydraulics you can't do better than this Schaum's Outline!

**A Textbook of Hydraulic Machines ("fluid Mechanics and Hydraulic Machines"- Part-II)[for Engineering Students of Various Disciplines and Competitive Examinations] in SI Units** R. K. Rajput 2008

The entire book has been thoroughly revised by adding adequate text and a large number of typical examples selected from various universities and competitive examinations question papers. Besides this, Laboratory Experiments have also been added at the end of the book to make it still more a comprehensive and complete unit in all respect.

Elementary Hydraulics James F. Cruise 2006 Elementary Hydraulics is written for the undergraduate level and contains material to appeal to a diversified class of students. The book, divided into three parts, blends fluid mechanics, hydraulic science, and hydraulics engineering. The first part of the text draws upon fluid mechanics and summarizes the concepts deemed essential to the teaching of hydraulics. The second part builds on the first section while discussing the science of hydraulics. The third section looks at the engineering practice of hydraulics and illustrates practical applications of the material covered in the text. In addition to these applications, the text contains a number of numerical problems and a reading aid at the end of each chapter to enhance student learning.

**A Text Book of Hydraulics, Fluid Mechanics and Hydraulic Machines** R. S. Khurmi 1970

*Fluid Mechanics and Hydraulic Machines | Fifth Edition | By Pearson Mahesh Kumar* This is an ideal offering for the complete course on Fluid Mechanics and Hydraulic Machines. Written in a simple and lucid style, the book covers the basic principles and its application to the solution of engineering problems. This book is apt for self-study by the students and lays down a strong foundation for problem-solving abilities.

**Hydraulic Machines: Fluid Machinery** R. K. Singal 2009-01-01  
Hydraulic Machines (Fluid Machinery) has been designed as a textbook for engineering students specializing in mechanical, civil, electrical, hydraulics, chemical and power engineering. The highlights of the book are simple language supported by analytical and graphical illustrations. A large number of theory questions and numerical problems with solution hints have been annexed at the end of every chapter. A large number of objective questions have been included to help the students opting for competitive examinations. Five case studies based on research have been included which can be advantageously used by practising engineers pursuing research design and consultancy careers. Complete design of hydraulic machines has been demonstrated with the help of suitable examples. The book has been divided into six parts containing 13 chapters.

Fluid Mechanics and Hydraulic Machines K. Subramanya 2019

**Hydraulics And Fluid Mechanics Including Hydraulic Machines** P. N. Modi 2002 The popularity of all the earlier thirteen editions of the book among the students as well as the teachers has made it possible to bring out the fourteenth edition of the book so soon. In this edition the book has been brought out in A-4 size thereby considerably enhancing the general get-up of the book. The book in this fourteenth edition is entirely in SI Units and it has been thoroughly revised in the light of the valuable suggestions received from the learned professors and the students of the various Universities. Accordingly several new articles have been added. The answers of all the illustrative examples and the problems have been checked and corrected. Moreover, several new problems from the latest question papers of the different Universities as well as competitive examinations have been incorporated. Thus, it may be emphatically stated that the book is complete in all respects and it covers the entire syllabus in the subject for degree students in the different branches of engineering for almost all the Universities. Therefore this Single Book fulfills the entire needs of the students intending to appear at the various University Examinations and also for those intending to appear at the various competitive examination such as engineering services and the ICS examinations and for those preparing for AMIE examinations. OUTSTANDING FEATURES " Twenty nine chapters covering entire subject matter of Fluid Mechanics, Hydraulics and Hydraulic Machines. " SI Units used for the entire book " More than 200 multiple choice questions with answers " Appendix containing computer programs to solve problems of uniform and critical flows in open channels. " Ten appendixes dealing with some important topics.

**A Textbook of Fluid Mechanics and Hydraulic Machines** R. K. Bansal 2004-12-31

A Textbook of Fluid Mechanics R. K. Bansal 2005-02

*The Hydraulics of Open Channel Flow* Hubert Chanson 1999-09-29 The Hydraulics of Open Channel Flow is a major new textbook for senior undergraduates and postgraduate students. Dr Chanson first introduces the basic principles of open channel flow hydraulics, namely the continuity, Bernoulli and momentum principles. Applications include short transitions (e.g. intake), hydraulic jumps and flow resistance. The key topics of sediment transport, hydraulic modelling and the design of hydraulic structures are then developed in turn. This innovative textbook contains numerous examples, including practical applications, and is fully illustrated with line drawings and photographs in colour and black and white. Exercises - located at the end of each chapter and as revision sections at the end of each part - form an integral part of the text. The book concludes with major assignments, which assimilate all the knowledge into a fully coherent whole. Solutions to exercises, together with the shareware software Hydroculv, are available from the Web at: Key Features: Ideal for Use by Students and Lecturers in Civil and Environmental Engineering Numerous Exercises and Examples, Including a Supporting Website, to Aid the Reader's Understanding Comprehensive Coverage of the Basic Principles and the Key Application Areas of the Hydraulics of Open Channel Flow the Reader is Taken Step by Step from the Basic Principles to the More Advanced Design Calculations

*A Textbook of Fluid Mechanics and Hydraulic Machines* RK Rajput Divided in two parts, [A Textbook of Fluid Mechanics and Hydraulic Machines] is one of the most exhaustive texts on the subject for close to 20 years. For the students of Mechanical Engineering, it can easily be used as a reference text for other courses as well. Important topics ranging from Fluid Dynamics, Laminar Flow and Turbulent Flow to Hydraulic Turbines and Centrifugal pumps are well explained in this book. A total of 23 chapters (combined both units) followed by two special chapters of [Universities' Questions (Latest) with Solutions] and

[GATE and UPSC Examinations' Questions with Answers/Solutions] after each unit also make it an excellent resource for aspirants of various entrance examinations.

*Hydraulics, Fluid Mechanics and Hydraulic Machines* RS Khurmi | N Khurmi 1987-05 The favourable and warm reception, which the previous editions and reprints of this popular book has enjoyed all over India and abroad has been a matter of great satisfaction for me.

**Mechanics of Fluids** John Ward-Smith 2018-10-24 As in previous editions, this ninth edition of Massey's Mechanics of Fluids introduces the basic principles of fluid mechanics in a detailed and clear manner. This bestselling textbook provides the sound physical understanding of fluid flow that is essential for an honours degree course in civil or mechanical engineering as well as courses in aeronautical and chemical engineering. Focusing on the engineering applications of fluid flow, rather than mathematical techniques, students are gradually introduced to the subject, with the text moving from the simple to the complex, and from the familiar to the unfamiliar. In an all-new chapter, the ninth edition closely examines the modern context of fluid mechanics, where climate change, new forms of energy generation, and fresh water conservation are pressing issues. SI units are used throughout and there are many worked examples. Though the book is essentially self-contained, where appropriate, references are given to more detailed or advanced accounts of particular topics providing a strong basis for further study. For lecturers, an accompanying solutions manual is available.

*A Textbook of Fluid Mechanics and Hydraulic Machines* R. K. Bansal 2005

**Fluid Mechanics, Hydraulics, Hydrology and Water Resources for Civil Engineers** Amithirigala Widhanelage Jayawardena 2021-01-27 One of the core areas of study in civil engineering concerns water that encompasses fluid mechanics, hydraulics and hydrology. Fluid mechanics provide the mathematical and scientific basis for hydraulics and hydrology that also have added empirical and practical contents. The knowledge contained in these three subjects is necessary for the optimal and equitable management of this precious resource that is not always available when and where it is needed, sometimes with conflicting demands. The objective of Fluid Mechanics, Hydraulics, Hydrology and Water Resources for Civil Engineers is to assimilate these core study areas into a single source of knowledge. The contents highlight the theory and applications supplemented with worked examples and also include comprehensive references for follow-up studies. The primary readership is civil engineering students who would normally go through these core subject areas sequentially spread over the duration of their studies. It is also a reference for practicing civil engineers in the water sector to refresh and update their skills.

Problems in Hydraulics and Fluid Mechanics Sandro Longo 2020-10-24 This textbook offers a unique introduction to hydraulics and fluid mechanics through more than 100 exercises, with guided solutions, which students will find valuable in preparation for their preliminary or qualifying exams and for testing their grasp of the subject. In some exercises two different solution methods are proposed, to highlight the fact that the level of complexity of the calculations is often linked to the choice of method, though in most cases only the simplest method is presented. The exercises are organized by subject, covering forces on planes and curved surfaces; floating bodies; exercises that require the application of linear and angular momentum balancing in inertial and non-inertial references; pipeline systems, with particular applications to industrial plants; hydraulic systems with machines (pumps and turbines); transient phenomena in pipelines; and uniform and gradually varied flows in open channels. The book also features appendices that contain selected data and formulas of practical interest. Instructors of courses that address one or all of the above topics will find the exercises of great help in preparing their courses, while researchers will find the book useful as an accessible summary of the topics covered.

*Introduction to Fluid Mechanics* Robert W. Fox 2008 One of the bestselling books in the field, Introduction to Fluid Mechanics continues to provide readers with a balanced and comprehensive approach to mastering critical concepts. The new seventh edition once again incorporates a proven problem-solving methodology that will help them develop an orderly plan to finding the right solution. It starts with basic equations, then clearly states assumptions, and finally, relates results to expected physical behavior. Many of the steps involved in analysis are simplified by using Excel.

Fluid Mechanics of Environmental Interfaces, Second Edition Carlo Gualtieri 2012-11-21 Environmental Fluid Mechanics (EFM) studies the

motion of air and water at several different scales, the fate and transport of species carried along by these fluids, and the interactions among those flows and geological, biological, and engineered systems. EFM emerged some decades ago as a response to the need for tools to study problems of flow and transport in rivers, estuaries, lakes, groundwater and the atmosphere; it is a topic of increasing importance for decision makers, engineers, and researchers alike. The second edition of the successful textbook "Fluid Mechanics of Environmental Interfaces" is still aimed at providing a comprehensive overview of fluid mechanical processes occurring at the different interfaces existing in the realm of EFM, such as the air-water interface, the air-land interface, the water-sediment interface, the surface water-groundwater interface, the water-vegetation interface, and the water-biological systems interface. Across any of these interfaces mass, momentum, and heat are exchanged through different fluid mechanical processes over various spatial and temporal scales. In this second edition, the unique feature of this book, considering all the topics from the point of view of the concept of environmental interface, was maintained while the chapters were updated and five new chapters have been added to significantly enlarge the coverage of the subject area. The book starts with a chapter introducing the concept of EFM and its scope, scales, processes and systems. Then, the book is structured in three parts with fifteen chapters. Part one, which is composed of four chapters, covers the processes occurring at the interfaces between the atmosphere and the surface of the land and the seas, including the transport of dust and the dispersion of passive substances within the atmosphere. Part two deals in five chapters with the fluid mechanics at the air-water interface at small scales and sediment-water interface, including the advective diffusion of air bubbles, the hyporheic exchange and the tidal bores. Finally, part three discusses in six chapters the processes at the interfaces between fluids and biotic systems, such as transport processes in the soil-vegetation-lower atmosphere system, turbulence and wind above and within the forest canopy, flow and mass transport in vegetated open channels, transport processes to and from benthic plants and animals and coupling between interacting environmental interfaces. Each chapter has an educational part, which is structured in four sections: a synopsis of the chapter, a list of keywords that the reader should have encountered in the chapter, a list of questions and a list of unsolved problems related to the topics covered by the chapter. The book will be of interest to graduate students and researchers in environmental sciences, civil engineering and environmental engineering, (geo)physics, atmospheric science, meteorology, limnology, oceanography, and applied mathematics.

**Hydraulics** Andrew L. Simon 1997 Encompassing basic fluid mechanics and the properties of liquids through to coastal and machinery hydraulic applications, this textbook covers a very wide field of study. The authors assume that students will be using commercially available software.

**A Text Book of Fluid Mechanics and Hydraulic Machines** Bansal 2005-12-30

Basics of Fluid Mechanics Genick Bar-Meir 2009-09-01

Fluid Mechanics & Hydraulic Machines R. K. Rajput 2008 The entire book has been thoroughly revised by adding adequate text and a large number of typical examples selected from various universities and competitive examinations question papers. Besides this, Laboratory Experiments have also been added at the end of the book to make it still more a comprehensive and complete unit in all respects.

**Hydraulics and Fluid Mechanics Including Hydraulics Machines**

Dr. P.N. MODI & S.M. SETH 2019-01-01 □ABOUT THE BOOK: This book does not require any introduction now. we thank our readers for entitling the book as best book ever written on " hydraulics & fluid Mechanics" Unlike other books the idea of the author was to clear the basic principles of & the student making it a professional choice The book in this 22nd edition is entirely in SI Units and it has been thoroughly revised in the light of the valuable suggestions received from the learned professors and the students of the various Universities. Accordingly several new articles have been added. The answers of all the illustrative examples and the problems have been checked and corrected. Moreover, several new problems from the latest question papers of the different Universities as well as competitive examinations have been incorporated. Thus it may be emphatically stated that the book is complete in all respects and it covers the entire syllabus in this subject for degree students in the different branches of engineering for almost all the Universities. Therefore this Single Book fulfills the entire needs of the students intending to appear at the various University Examinations and also for those intending to appear at the various competitive examinations such as engineering services and the ICS examinations and

for those preparing for AMIE examinations. Unlike other books this book clears the basic principles of the reader. □OUTSTANDING FEATURES: Twenty nine chapters covering entire subject matter of Fluid Mechanics, Hydraulics and Hydraulic Machines. SI Units used for the entire book More than 200 multiple choice questions with answers Appendix containing computer programs to solve problems of uniform and critical flows in open channels Ten appendixes dealing with some important topics. Thank you readers for entitling the best book ever written on hydraulics & fluid mechanics. □RECOMMENDATIONS: A textbook for all Engineering Branches, Competitive Examination, ICS, and AMIE Examinations In S.I Units For Degree, Diploma and A.I.M.E. (India) Students and Practicing Civil Engineers. □ABOUT THE AUTHOR: By Dr. P.N. Modi B.E., M.E., Ph.D Former Professor of Civil Engineering, M.R. Engineering College, (Now M.N.I.T), Jaipur Formerly Principal, Kautilya Institute of Technology and Engineering, Jaipur & Dr. S.M. Seth B.E., M.E., M.I.E., Ph.D (Manchester) Former Director, National Institute of Hydrology, Roorkee Presently Principal, Kautilya Institute of Technology and Engineering, Jaipur □BOOK DETAILS: ISBN: 978-81-89401-26-9 Pages: 1403 + 16 Paperback Edition: 22nd, Year -2019 Size(cms): L-23.5 B-18 H-5.7 □PUBLISHED BY: STANDARD BOOK HOUSE Since 1960 Unit of Rajsons Publications Pvt Ltd Regd Office: 4262/3A Ground Floor Ansari Road Daryaganj New Delhi-110002 +91 011 43551185/43551085/43751128/23250212 Retail Office : 1705-A Nai Sarak Delhi-110006 011 23265506 Website: www.standardbookhouse.com A venture of Rajsons Group of Companies

Engineering Fluid Mechanics and Hydraulic Machines K. C. Patra 2011-01-01 This textbook attempts to cover all the topics concerning fluid Mechanics, Hydraulics and Hydraulic Machines, keeping in view the requirements of undergraduate engineering students of all branches. Beginning with fundamentals, advanced topics are discussed towards the end of each chapter. This book written in SI System of units should be a single guiding reference material for most university examinations, AMIE and other competitive examinations. While dealing with various aspects, emphasis is on showing a physical picture of the situation with the help of diagrams.

*Fluid Mechanics, Hydraulics And Hydraulic Machines* Dr. K.R. Arora 2005-01-01 In the book a large number of problems from the Examination paper of London University, Institution of Mechanical Engineers (London) Institution of Engineers (India) Union Public Service Commission (India) and Various Indian Universities have been included. CONTENTS : Part- I : Properties of Fluids \* Pressure Measurement \* Hydrostatic Forces on Surfaces \* Buoyancy and Floating \* Fluid Masses in Relative Equilibrium \* Kinematics of Fluid Flow \* Dynamics of Fluid Flow \* Flow Measurement \* Flow Through Orifices and Mouth Pieces \* Flow over Notches and Weirs \* Fundamentals of Flow Through Pipes \* Fundamentals of Flow through Open Channels \* Flow of Compressible Fluids Part-II : Advance Topics In Fluid Mechanics And Hydraulics : Dimensional Analysis \* Hydraulic Similitude \* Laminar Flow \* Turbulent Flow Through Pipes \* Boundary Layer Theory \* Flow Around Immersed Bodies \* Uniform Flow in Open Channels \* Non Uniform Flow in Open Channels Part- III : Hydarulics Machines : Impacts of Free Jets \* Hydraulic Turbines \* Governing and Performance of Hydraulic Turbines \* Reciprocating Pumps \* Centrifugal Pumps \* Miscellaneous Hydraulic Devices and Machines Part-IV : Iscellaneous Topics : Fluvial Hydraulics \* Elementary Hydrodynamics \* Water Power Engineering \* Laboratory Experiments Part-V : Appendices : Appendix A : Miscellaneous Objective Type Questions \* Appendix B : Cavitation \* Appendix C : Geometrical Properties of Plane Areas \* Appendix D : secondary Flow \* Appendix E : Use Vector Notations \* Appendix F : Computer Programmes \* Reference \* Index.

**Essentials of Hydraulics** Pierre Y. Julien 2022-04-30 Written for a one-semester course in hydraulics, this concise textbook is rooted in the fundamental principles of fluid mechanics and aims to promote sound hydraulic engineering practice. Basic methods are presented to underline the theory and engineering applications, and examples and problems build in complexity as students work their way through the textbook. Abundant worked examples and calculations, real-world case studies, and revision exercises, as well as precisely crafted end-of-chapter exercises ensure students learn exactly what they need in order to consolidate their knowledge and progress in their career. Students learn to solve pipe networks, optimize pumping systems, design pumps and turbines, solve differential equations for gradually-varied flow and unsteady flow, and gain knowledge of hydraulic structures like spillways, gates, valves, and culverts. An essential textbook for intermediate to advanced undergraduate and graduate students in civil and

environmental engineering.

**INTRODUCTION TO HYDRAULICS AND PNEUMATICS** S. ILANGO

2011-01-01 This introductory textbook is designed for undergraduate courses in Hydraulics and Pneumatics/Fluid Power/Oil Hydraulics taught in Mechanical, Industrial and Mechatronics branches of Engineering disciplines. Besides focusing on the fundamentals, the book is a basic, practical guide that reflects field practices in design, operation and maintenance of fluid power systems—making it a useful reference for practising engineers specializing in the area of fluid power technology. With the trends in industrial production, fluid power components have also undergone modifications in designs. To keep up with these changes, additional information and materials on proportional solenoids have been included in the second edition. It also updates drawings/circuits in the pneumatic section. Besides, the second edition includes a CD-ROM that acquaints the readers with the engineering specifications of several pumps and valves being manufactured by industry. **KEY FEATURES :**

- Gives step-by-step methods of designing hydraulic and pneumatic circuits.
- Provides simple and logical explanation of programmable logic controllers used in hydraulic and pneumatic circuits.
- Explains applications of hydraulic circuits in machine tool industry.
- Elaborates on practical problems in a chapter on troubleshooting.
- Chapter-end review questions help students understand the fundamental principles and practical techniques for obtaining solutions.

**Basic Fluid Mechanics and Hydraulic Machines** Zoeb Hussian 2009

Following a concise overview of fluid mechanics informed by numerous engineering applications and examples, this reference presents and analyzes major types of fluid machinery and the major classes of turbines, as well as pump technology. It offers professionals and students in hydraulic engineering with background concepts as well as practical coverage of modern turbine technologies, fully explaining the advantages

of both steam and gas turbines. Description, design, and operational information for the Pelton, Francis, Propeller, and Kaplan turbines are provided, as are outlines of various types of power plants. It provides solved examples, chapter problems, and a thorough case study.

**Hydraulics, Fluid Mechanics And Fluid Machines** S. Ramamrutham

2006 This book is meant for the benefit of all the students studying the subject of Fluid Mechanics, Hydraulics And Fluid Machines and preparing for the A.M.I.E. and B.E. degree examinations of various universities of India. The book presents the subject in as simple a manner as possible with exhaustive explanations and explanatory diagrams. All the chapters on Hydraulic Turbines and Hydraulic Pumps have been enlarged with additional articles and numerical problems. The book contains thousands of fully solved problems besides numerous problems set for exercise at the end of the chapters. Problems have been generally drawn from the B.E. degree examinations of various universities of India, A.M.I.E. Examinations and U.P.S.C. Engineering Service Examinations

**A Textbook of Fluid Mechanics** R. K. Rajput 2008

This treatise on fluid Mechanics, contains comprehensive treatment of the subject matter in simple, lucid and direct language and envelopes a large number of solved problems properly graded, including typical examples from examination point of view. The book comprise 16 chapters. All chapters of the book are saturated with much needed text supported by simple and self-explanatory figures and a large number of worked examples including Typical Examples (for competitive examinations). At the end of each chapter Highlights, objective Type Questions, Theoretical Questions and Unsolved Examples have been added to make the book a comprehensive and a complete unit in all respects.

**A Textbook of Hydraulics, Fluid Mechanics and Hydraulic**

**Machines** R. S. Khurmi 1990