

## Basic Civil Engineering Shibu Nalpat

This collection of papers, which was subjected to strict peer-review by 2 to 4 expert referees, aims to collect together the latest advances in, and applications of, traditional constructional materials, advanced constructional materials and green building materials. It cannot fail to suggest new ideas and strategies to be tried in this field.

Since the publication of the first edition ten years ago, significant developments have occurred in the use of admixtures in concrete. Eight new chapters and a full update of the preceding ten chapters bring this book up to date; reflecting the relative advances made in the science and technology of different groups of admixtures. The increased role and development of admixtures in concrete technology is evidenced by a number of conferences, publications, and novel admixtures available in the market place. These developments in the field caused the modification of many chapters in the first edition in order to reflect the advances. Although individual chapters refer to standards and specifications of admixtures, those only interested in the standards or techniques used in investigating admixtures will find the second chapter (Research Technologies, Standards, and Specifications) useful. Admixtures are not as inert as may be presumed. They may chemically interact with the constituents of concrete and affect the properties of the fresh and hardened concrete and its durability. The third chapter deals with these aspects. It was important to devote a chapter to recent attempts in developing new admixtures.

Power System Analysis provides the basic fundamentals of power system analysis with detailed illustrations and explanations. Throughout the book, carefully chosen examples are given with a systematic approach to have a better understanding of the text discussed. It presents the topics of power system analysis including power system modeling, load flow studies, symmetrical and unsymmetrical fault analyses, stability analysis, etc. The book is principally designed as a self-study material for electrical engineering students.\* Cogent and lucid style of presentation.\* Clear explanations of concepts with appropriate illustrations.\* Examples with detailed explanations.\* Systematic, step-by-step approach to solved problems.\* Short-answer questions to recapitulate the basics.\* Exercises at the end of each chapter for self-practice.\* Solution to university questions for better scoring.

**THIS BOOK IS INTENDED FOR ENGINEERING STUDENTS AND PRACTICING ENGINEERS**

Basic Electrical and Electronics Engineering provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. The book allows students outside electrical and electronics engineering to easily

This book provides a detailed study of geometrical drawing through simple and well-explained worked-out examples. It is designed for first-year engineering students of all branches. The

book is divided into seven modules. A topic is introduced in each chapter of a module with brief explanations and necessary pictorial views. Then it is discussed in detail through a number of worked-out examples, which are explained using step-by-step procedure and illustrating drawings. Module A covers the fundamentals of manual drafting, lettering, freehand sketching and dimensioning of views. Module B describes two-dimensional drawings like geometrical constructions, conics, miscellaneous curves and scales. Three-dimensional drawings, such as projections of points, lines, plane lamina, geometrical solids and sections of them are well explained in Module C. Module D deals with intersection of surfaces and their developments. Drawing of pictorial views is illustrated in Module E, which includes isometric projection, oblique projection and perspective projections. Module F covers the fundamentals of machine drawing. Finally, in Module G the book introduces computer-aided drafting (CAD) to make the readers familiar with the state-of-the-art techniques of drafting. Key Features : Follows the International Standard Organization (ISO) code of practice for drawing. Includes a large number of dimensioned illustrations, worked-out examples, and university questions and answers to explain the geometrical drawing process. Contains chapter-end exercises to help students develop their drawing skills.

The revision of this extremely popular text, *Circuits and Networks: Analysis and Synthesis*, comes at a time when the industry is increasingly looking to hire engineers who are able to display learning outcomes. The book has been revised based on internationally accepted Learning Outcomes required from a course. Additionally, key pedagogical aids, such as questions from previous year question papers are added afresh to further help students in preparing for this course and its examinations. For the tech savvy, the practice of MCQs in a digital and randomized environment will provide thrill. Salient Features: - Content revised as per internationally accepted learning outcomes - 461 Frequently asked questions derived from important previous year question papers - Features like Definition and Important Formulas are highlighted within the text

This book is designed for course on Basic Civil and Mechanical Engineering. The book closely follows the undergraduate engineering syllabus. The text has been infused with several short answer questions, fill in the blanks and true or false statements which will provide competitive edge to students and prove instrumental in preparation of competitive and university examinations.

**?ABOUT THE BOOK:** The earlier fifth editions of the book have received immensely encouraging response from the students as well as the teachers. This has enabled bringing out of the sixth edition of the book so soon. While the main objectives of the fifth edition are identical with those of the fourth edition, the book has been thoroughly revised and several new articles have been added. The subject matter has been presented in a simple language. The basic principles involved in the design of various irrigation works have been thoroughly explained. The book covers the complete syllabus of this subject for the students studying at first degree course of the various Indian universities. Some advanced topics included in the book will be useful for the students studying at the post graduate level. The book will be quite useful for the various competitive examinations such as Engineering services and ICS examinations and it will be equally suitable for the students preparing for AMIE examinations.

**?RECOMMENDATIONS:** [S.I. UNITS] (A textbook for all Engineering Branches, Competitive Examination, ICS, and AMIE Examinations) **?ABOUT THE AUTHOR:** B.E., M.E., Ph.D. Former Professor of Civil Engineering, M.R. Engineering College, (Now M.N.I.T.), Jaipur. **?BOOK DETAILS:** ISBN: 978-81-87401-29-0 Pages: 1214 + 18 Paperback Edition: 11th, Year - 2020 Size(cms): L-24.2, B-18.3, H-5.2 **?For more Offers visit our Website:** [www.standardbookhouse.com](http://www.standardbookhouse.com)

**?ABOUT THE BOOK:** feel proud in issuing the Seventh Edition of the book "Building Construction and Materials". The subject " Building Construction and Materials" is a very

vast and tedious subject of Civil Engineering. Author has tried to explain all the aspects of this subject in a very simple and lucid language. The Book is entirely in SI Units. The book covers the syllabi prescribed by all the Indian universities, State Technical Boards and A.M.I.E. (India) examinations. The book is also very useful for Engineers involved in construction industry. All the relevant I.S.I. Recommendations and other useful data have been incorporated in the book. Author has tried to explain all the aspects with the help of lot of neat drawings. It is hoped that the book will satisfy all the needs of the students and practising engineers in regard to this subject. In order to increase the usefulness of the book basic engineering materials have been added in this revised 17th edition. Basic engineering material like stone, bricks, lime, cement, timber and iron has been added in this edition. ?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: Dr. Gurcharan Singh Joint Director (Retd.) Directorate of Technical Education Rajasthan, Jodhpur ?BOOK DETAILS: ISBN : 978-81-89401-21-4 Pages: 933 + 26 Edition: 17th, Year-2019 Size(cms): L-23.7, B-15.8, H-3.7 ?For more Offers visit our Website: [www.standardbookhouse.com](http://www.standardbookhouse.com)

The book aims at presenting the topics of Bridge Engineering expressed in simple and lucid language. The presentation is comprehensive and methodical as well as interesting and easy to follow.

Reinforced soil is a composite material formed by the association of frictional soil and tension-resistant elements in the form of sheets, strips, nets or mats of metal, synthetic fabrics, or fibre reinforced plastics and arranged in the soil mass in such a way as to reduce or suppress the tensile strain that might develop under gravity and boundary forces. The variety and range of applications of reinforced soil technique are unlimited. Jones (1985) identified several field applications, viz., retaining walls, abutments, quay walls, embankments, dams, hill roads, housing, foundations, railways, industry, pipe works, waterway structures and underground structures. In several countries structures have been constructed using this technique and the concept has become very popular. The book covers all the important topics like Basic Mechanism, Strength Characteristics, Frictional Characteristics, Reinforced Soil, Wall, Wall with Reinforced Backfill, Foundation on Reinforced Soil, Soil Nailing and Randomly Distributed soil. Each chapter is supported by illustrative examples for easy understanding. In this edition, chapters on Reinforced Soil Wall, Foundation on Reinforced Soil, and Randomly distributed reinforced soil have been substantially modified making the book more useful. The book would well serve and benefit undergraduate and postgraduate students, researchers and professional geotechnical engineers

"Advanced Engineering Mathematics" is written for the students of all engineering disciplines. Topics such as Partial Differentiation, Differential Equations, Complex Numbers, Statistics, Probability, Fuzzy Sets and Linear Programming which are an important part of all major universities have been well-explained. Filled with examples and in-text exercises, the book successfully helps the student to practice and retain the understanding of otherwise difficult concepts.

This book presents topics in an easy to understand manner with thorough explanations and detailed illustrations, to enable students to understand the basic underlying concepts. The fundamental concepts, graphs, design and analysis of control systems are presented in an elaborative manner. Throughout the book, carefully chosen examples are given so that the reader will have a clear understanding of the concepts.

1 Mass transfer 2 Drying 3 Heat transfer 4 Evaporation 5 Crystallization 6 Flow of fluids 7 Distillation 8 Corrosion

Basic Civil Engineering is designed to enrich the preliminary conceptual knowledge about civil engineering to the students of non-civil branches of

engineering. The coverage includes materials for construction, building construction, basic surveying and other major topics like environmental engineering, geo-technical engineering, transport traffic and urban engineering, irrigation & water supply engineering and CAD.

Basic Civil Engineering Basic Civil and Mechanical Engineering McGraw-Hill Education

This edition has been thoroughly revised and enlarged. It is still considered to be a must for all those sitting Civil Engineering examinations.

?ABOUT THE BOOK: The basic aim of the seventeenth edition of Surveying, Volume-I, is the same as that of the earlier editions, namely, to present the fundamentals of the subject in a simplified manner and to illustrate the basic concepts in a simple and lucid language so that even a beginner can understand it. A large number of worked examples and figures have been given to illustrate the basic theories. The subject matter has been revised wherever necessary to make some of the basic concepts more clear and understandable. A few new problems and examples have been added. Some of the old figures have been replaced by new ones. Either colored plates of the surveying instruments have been added as an appendix. These plates and figures are useful for making the subject matter more illustrative. ?OUTSTANDING FEATURES: -E.D.M., Total Station & G.P.S. are included separately -All the text has been explained in a simple, lucid language -SI Units used in the entire book -This book will be useful for Degree/Diploma/A.M.I.E. students and equally useful to the field engineers and surveyors -Number of problems have been solved in details -Subject matter is supported by very good diagrams -Either colored plates of the surveying instruments have been added as an appendix. ?RECOMMENDATIONS: A textbook for all Engineering Branches, Competitive Examination, ICS, and AMIE Examinations ?ABOUT THE AUTHOR: Dr. K.R. ARORA B.E. (Civil), M.E. (Hons), Ph.D (I.I.T. Delhi) Professor and former Head, Department of Civil Engineering, Engineering College, Kota (Rajasthan). ?BOOK DETAILS: ISBN : 978-81-89401-23-8 Pages: 690 + 16 Edition:17th, Year -2019 Size(cms): L-24.2 B-18.2 H-2.8 ?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:

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In a project site in the remote Himalayas where superstitions and religious beliefs are as important as the engineering Nanda, Khusru and Rekha come together through a series of twists and turns in their lives. The dreams and aspirations of people come alive as the story progresses. Each has a story to tell and a dream to realize. The fury of nature and the hardships of project life have no mercy for the weak and no time for the dead. Even Nanda who has seen death from close quarters and is hiding from the law is taken aback by the callous attitude towards life. He is the silent man of the project, the one who never talks. Intrigue and real

life get mixed with the sudden appearance of Rekha, the lady doctor, at the camp site. Rekha's quest for a man whom she can love and worship takes her on an unforeseen journey from where she has to choreograph her way out. The handsome Kashmiri youth Khusru is envied by all at the site. Little do they know that the ghosts of Khusru's past are plotting to turn his world upside down. Nanda is torn between his love for his dear ones and his kalari code of revenge. He looks to the Dhauladhar ranges for answers to come to terms with his personal loss and a little more dignity for those who perish. Like an eternal spectator the Dhauladhar watches as men risk life and limb in their quest. Men and Dreams in the Dhauladhar is a novel inspired by the numerous years the author spent working on a Hydro electric project in the Himalayas.

Electric Circuits and Networks is designed to serve as a textbook for a two-semester undergraduate course on basic electric circuits and networks. The book builds on the subject from its basic principles. Spread over seventeen chapters, the book can be taught with varying degree of emphasis on its six subsections based on the course requirement. Written in a student-friendly manner, its narrative style places adequate stress on the principles that govern the behaviour of electric circuits and networks.

First published in 1995, the award-winning Civil Engineering Handbook soon became known as the field's definitive reference. To retain its standing as a complete, authoritative resource, the editors have incorporated into this edition the many changes in techniques, tools, and materials that over the last seven years have found their way into civil engineering research and practice. The Civil Engineering Handbook, Second Edition is more comprehensive than ever. You'll find new, updated, and expanded coverage in every section. In fact, more than 1/3 of the handbook is new or substantially revised. In particular you'll find increased focus on computing reflecting the rapid advances in computer technology that has revolutionized many aspects of civil engineering. You'll use it as a survey of the field, you'll use it to explore a particular subject, but most of all you'll use The Civil Engineering Handbook to answer the problems, questions, and conundrums you encounter in practice.

Basic Mechanical Engineering covers a wide range of topics and engineering concepts that are required to be learnt as in any undergraduate engineering course. Divided into three parts, this book lays emphasis on explaining the logic and physics of critical problems to develop analytical skills in students.

A unique book for Architect, Builder, Building Surveyor, Civil, Structural, Degree, Diploma, AMIE, UPSC and Other Examinations

CONTENTS

Introduction \* Foundations \* Deep Foundations \* Structural Design of Foundations \* Damp Proofing and Water Proofing \* Cavity Walls \* Shoring, Underpiling and Scaffolding \* Masonry \* Stone Masonry \* H Brick Masonry \* Composite Masonry \* Partition Walls \* Ground Floors \* Stairs \* Upper Floors \* Lintels and Arches \* Carpentry Joints \* Doors and Windows \* Roofs and Roofs Covering \* Structural Steel Work \* Plastering, Painting and White/Colour Washing \* Paints, Varnishes and Distempers \* Plain and Reinforced Cement Concrete \* Form Work \* Provisions of Joints in Structures \* Fire Protection \* Antitermite Treatment \* New Concretes \* H Acoustics and Sound Insulation \* Water Supply and Sanitary Engg. \* Specifications for Low Cost Buildings \* Causes and Prevention of Cracks in Buildings \* Preliminary Estimates for Buildings/Projects \* Project Management Through PERT/CPM \* H Planning of Buildings \* Appendix \* Index.

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