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Building Construction Basic Civil Engineering Building Construction Project Planning and Control with PERT & CPM Reinforced Concrete Structures Vol. I Building Materials BUILDING CONSTRUCTION Waste Water Engineering Soil Mechanics and Foundations Comprehensive Design of Steel Structures Limit State Design of Reinforced Concrete R.C.C. Designs (Reinforced Concrete Structures) Engineering Materials (Material Science). Building Construction and Materials Building Services Handbook Surveying Vol. I Mechanics of Materials Theory of Structures Building Construction Surveying (Volume - 1) Building Material and Construction (WBSCTE) EARTHQUAKE RESISTANT DESIGN OF STRUCTURES SMTS-II Theory of Structures Construction Technology Building Construction Handbook Irrigation and Water Power Engineering Reinforced Concrete Structures Vol. II Comprehensive Rcc.Designs Building Construction Advanced Construction Technology Design of Bridge Structures The Construction of Buildings Building Materials in Civil Engineering Building Materials Building Construction Materials and Techniques Construction Technology Surveying BUILDING MATERIALS Concrete Technology (Theory and Practice), 8e Water Supply Engineering

I feel elevated in presenting the New edition of this standard treatise. The favourable reception, which the previous edition and reprints of this book have enjoyed, is a matter of great satisfaction for me. I wish to express my sincere thanks to numerous professors and students for their valuable suggestions and recommending the patronise this standard treatise in the future also. This text on building materials includes discussion of structural clay products, rocks and stones, wood, materials for making concrete, ferrous and non-ferrous metals, and miscellaneous materials. Ideal for students on all construction courses Topics presented concisely in plain language and with clear drawings Updated to include revisions to Building and Construction regulations The Building Construction Handbook is THE authoritative reference for all construction students and professionals. Its detailed drawings clearly illustrate the construction of building elements, and have been an invaluable guide for builders since 1988. The principles and processes of construction are explained with the concepts of design included where appropriate. Extensive coverage of building construction practice, techniques, and regulations representing both traditional procedures and modern developments are included to provide the most comprehensive and easy to understand guide to building construction. This new edition has been updated to reflect recent changes to the building regulations, as well as new material on the latest technologies used in domestic construction. Building Construction Handbook is the essential, easy-to-use resource for undergraduate and vocational students on a wide range of courses including NVQ and BTEC National, through to Higher National Certificate and Diploma, to Foundation and three-year Degree level. It is also a useful practical reference for building designers, contractors and others engaged in the construction industry. This well-known and comprehensive text-book, now in its Twenty-Fifth Edition presents in lucid language the complete and full details of the various complicated topics on the subject of Building Construction. The entire subject-matter of this acclaimed book has been split up in two parts: \* Elementary Building Construction \* Advanced Building Construction. It is characterised by the clear, methodical and also step-by-step treatment of the subject, and written in a highly readable style. The SI units have been used throughout the book. This Volume Is One Of The Two Which Offer A Comprehensive Course In Those Parts Of Theory And Practice Of Plane And Geodetic Surveying That Are Most Commonly Used By Civil Engineers. The First Volume Covers In 24 Chapters, The Most Common Surveying Operations. Each Topic Introduced Is Thoroughly Described, The Theory Is Rigorously Developed, And A Large Number Of Numerical Examples Are Included To Illustrate Its Application. General Statements Of Important Principles And Methods Are Almost Invariably Given By Practical Illustration. Apart From Illustrations Of Old And Conventional Instruments, Emphasis Has Been Placed On New Or Modern Instruments, Both For Ordinary As Well As Precise Work. A Good Deal Of Space Has Been Given To Instrumental Adjustments With Thorough Discussion Of Geometrical Principles In Each Case. Many New Advanced Problems Have Also Been Added Which Will Prove Useful For Competitive Examinations. This practice-oriented book, now in its second

edition, presents a lucid yet comprehensive coverage of the engineering properties and uses of the materials commonly used in building construction in India. Profusely illustrated with tables and diagrams, the book brings into light the basics of building materials and their specifications. Besides giving information regarding the traditional building materials, the text now acquaints the reader with up-to-date and in-depth information pertaining to modern materials available in the market. The references to IS codes and standards make this text suitable for further study and field use. The second edition possesses some substantial changes in Chapters 12, 13, 14 and 20. Now, the book offers a new section on durability of concrete in Chapter 12; a modified section regarding revision of IS 10262 (1982) code on concrete mix design to IS 10262 (2009) and a new section on classification of exposure conditions in Chapter 13; and a new section relating to large advances made in concrete construction and repair chemicals in Chapter 14. Besides, the content of Chapter 20 has been completely updated, with a particular emphasis on the extensive use of aluminium in building construction. Primarily intended for the students pursuing undergraduate degree (B.E./B.Tech.) and diploma courses in civil engineering and architecture, the book, on account of lecture-based presentation of the subject, should also prove eminently utilitarian for the young teachers to use it in their classroom lectures as well as for practising engineers to get a clear understanding of the fundamentals of the subject. NEW TO THE SECOND EDITION Review questions at the end of each chapter enable the reader to recapitulate the topics Considerable attention is given on field practice Syllabus of laboratory work on construction materials and a model question paper (Anna University) are given in appendices to guide the reader. The Building Services Handbook summarises concisely, in diagrams and brief explanations, all elements of building services. Practice, techniques and procedures are clearly defined with supplementary references to regulations and relevant standards. This is an essential text for all construction/building services students up to undergraduate level, and is also a valuable reference text for building service professionals. This new book is based on Fred Hall's 'Essential Building Services and Equipment 2ed' and has been thoroughly updated throughout. It is a companion volume to the highly popular textbook 'Building Construction Handbook' by Chudley and Greeno, which is now in its fourth edition. CONTENTS: Part 1: Working Stress Method 1. Introduction 2. Theory of reinforced beams and Slabs 3. Shear and bond 4. Torsion 5. Doubly reinforced beams 6. T and L-Beams 7. Design of beams and Slabs 8. Design of stair cases 9. Reinforced brick and hollow tile roofs 10. Two-way slabs 11. Circular slabs 12. Flat slabs 13. Axially loaded columns 14. Combined direct and bending stresses 15. Continuous and isolated footings 16. Combined footings 17. Pile foundations 18. Retaining Walls Part 11: Water Tanks 19. Domes 20. Beams curved in plan 21. Water tanks-1 Simple cases 22. Water tanks-11 Circular & INTZE Tanks 23. Water tanks-111: Rectangular tanks 24. Water tanks-IV: Underground tanks Part 111: Miscellaneous Structures 25. Reinforced concrete pipes 26. Bunkers and silos 27. Chimneys 28. Portal frames 29. Building frames Part IV: Concrete Bridges 30. Aqueducts and box culverts 31. Concrete Bridges Part V: Limit State Design 32. Design concepts 33. Singly reinforced section 34. Doubly reinforced sections 35. T and L-Beams 36. Shear bond and torsion 37. Design of beams and slabs 38. Axially loaded columns 39. Columns with Uniaxial and Biaxial bending 40. Design of stair cases 41. Two way slabs 42. Circular slabs 43. Yield Line theory and design of slabs 44. Foundations Part IV: Prestressed concrete and Miscellaneous Topics 45. Prestressed concrete 46. Shrinkage and creep 47. Form-Work 48. Tests for cement and concrete 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 Scoffolding \* 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. The construction of buildings and structures relies on having a thorough understanding of building materials. Without this knowledge it would not be possible to build safe, efficient and long-lasting buildings, structures and dwellings. Building materials in civil engineering provides an overview of the complete range of building materials available to civil engineers and all those involved in the building and construction industries. The book begins with an introductory chapter describing the basic properties of building materials. Further chapters cover the basic properties of building materials, air hardening cement materials, cement, concrete, building mortar, wall and roof materials, construction steel, wood, waterproof materials, building plastics, heat-insulating materials and sound-absorbing materials and finishing materials. Each chapter includes a series of questions, allowing readers to test the knowledge they have gained. A detailed appendix gives information on the testing of building materials. With its distinguished editor and eminent editorial committee, Building materials in civil engineering is a standard introductory reference book on the complete range of building materials. It is aimed at students of civil engineering, construction engineering and allied courses including water supply and drainage engineering. It also serves as a source of essential background information for engineers and professionals in the civil engineering and construction sector. Provides an overview of the complete range of building materials available to civil engineers and all those involved in the building and construction industries Explores the basic properties of building materials featuring air hardening cement materials, wall and roof materials and sound-absorbing materials Each chapter includes a series of questions, allowing readers to test the knowledge they have gained Construction Technology is designed to serve as a textbook for undergraduate and postgraduate students of construction engineering and civil engineering. Building Technology involves selecting suitable materials and carrying out building construction neatly. This book comprehensively covers all aspects of the subject and is written as per the requirements of civil engineering diploma students of West Bengal. The text is presented in simple, precise and reader-friendly language. It is amply supported by figures and tables. **KEY FEATURES** • Detailed coverage of Kerala University syllabus • Simple and precise explanations • Text sufficiently illustrated by figures and tables • Relevant IS Codes listed • Exhaustive questions given This book gives information on foundations and oversite concrete, walls, floors, and roofs. This book, a companion volume to the author's book on Building Materials, explains the basics of building construction practices in an accessible style. It discusses in detail every element of building construction from start to the finish—from site preparation to provision of services (such as water supply, drainage and electricity supply). Besides, the text describes acoustics and maintenance of buildings, which are important considerations in construction of buildings. This book is primarily designed as an introductory textbook for under-graduate students of civil engineering as well as those pursuing diploma courses in civil engineering and architecture. Practising engineers and any person who has a keen interest in the construction and maintenance of his/her own building will also find the book very helpful. **KEY FEATURES** : □ Separate Appendix is given to discuss earthquake-resistant design of buildings. □ Review Questions provided at the end of each chapter enable the readers recapitulate the topics. □ The references to IS codes and standards make the text suitable for further study and field use. □ Because of the lecture-based presentation of the subject, the text will be of considerable benefit for the young teachers for their classroom lectures. Advanced Construction Technology offers a comprehensive, practical, illustrative guide to many aspects of construction practice used for industrial and commercial buildings. □**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 Practising 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) Building Construction Materials and Techniques follows a unique approach to the subject by including both materials and construction techniques in a combined text as per the latest trends in university curriculums. It also caters to the needs of the universities where these subjects are offered across two semesters as well. Of the 32 chapters in this book, 13 are dedicated to building construction materials while the remaining 19 focus on conventional as well as modern techniques in construction. The chapters are supplemented by a plethora of self-explanatory illustrations for easy comprehension. Relevant references to IS codes and standards make this text ideal for extended learning. □**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: [www.standardbookhouse.com](http://www.standardbookhouse.com) A venture of Rajsons Group of Companies This comprehensive and well-organized book presents the concepts and principles of earthquake resistant design of structures in an easy-to-read style. The use of these principles helps in the implementation of seismic design practice. The book adopts a step-by-step approach, starting from the fundamentals of structural dynamics to application of seismic codes in analysis and design of structures. The text also focusses on seismic evaluation and retrofitting of reinforced concrete and masonry buildings. The text has been enriched with a large number of diagrams and solved problems to reinforce the understanding of the concepts. Intended mainly as a text for undergraduate and postgraduate students of civil engineering, this text would also be of considerable benefit to practising engineers, architects, field engineers and teachers in the field of earthquake resistant design of structures. Concrete Technology: Theory and Practice" gives students of Civil Engineering a thorough understanding of all aspects of concrete technology from first principles. It covers types of Cement, Admixtures, Concrete strength, durability and testing with reference to national standards. Building Materials is a textbook designed for undergraduate civil engineering students who are offered courses on Building and Construction Materials. The book primarily covers the AICTE syllabus on Materials, Testing, and Evaluation. It provides detailed and up-to-date information on various building and construction materials, including green materials. The book discusses the usual building materials like stones, bricks, lime, cement, aggregates, mortars, concrete and special concretes, wood, ferrous materials, steel, plastics, non-ferrous materials,

glass, ceramic materials, plastics, paints, etc. Wherever necessary, the substitute materials and the greenness of the material are identified and explained. The book provides a thorough discussion of various materials using appropriate illustrations, real-life photographs, examples, and case studies for better understanding.

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