

Building Construction Sushil Kumar

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Building Construction and Materials - Dr. Gurcharan Singh 2019-01-10
★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 vastand 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
Fundamentals of Building Construction - Edward Allen 1998-12-01

Career Counseling - Sushil Kumar Srivastava 2007
Career Counseling And Guiding Is A Very Important And Contemporary Topic. This Book Encompasses All Aspects Of Career Planning And Development As These Are Ongoing Aspects At Different Phases/Periods Of One S Life. The Book Concentrates On Practicalities With Reference To Indian Scenario, Starting From Beginner S Viewpoint And Extending To Mid-Career And Career Change Aspects. It Explains All Different Steps/Levels Of Career Counseling. It Gives Detailed Insight Of Various Types Of Résumés And Interviews And Exhibits Near Real Life Résumés And Interview Questions. For Beginners, It Illustrates Various Career Options Available At All Educational Levels And Institutions And Competitions Needed For Those. It Also Shows Work/Job Openings For Different Education/Experience Levels. In Short, The Book Ideally Serves The Purpose Of A Professional Career Counselor.
Nabhi's Practical Handbook On Building Construction - M K Gupta

Building Maintenance - Ivor H. Seeley 1987-11-20
A comprehensive, up-to-date and illustrated exposition of building maintenance in all its aspects, to serve the needs of building surveyors and other professionals involved in this activity and building, surveying and architectural students. It shows the great importance of properly maintaining buildings and the advisability of providing adequate feedback to the design team. All the main building defects are described and illustrated and the appropriate remedial measures examined. Alterations and improvements to buildings and the specifying, measurement, pricing, tendering and contractual procedures are all examined, described and illustrated. In addition, the planning and financing, execution and supervision of maintenance work receive full consideration.
Building Cnstruction; A Practical Gudie in the Technique of Building Construction - Sushil Kumar 1986

Techno-Managerial Approach to Building Rehabilitation - Sushil Kumar Solanki 2022-10-07
The book covers a detailed understanding of building deterioration

process and service life of building to determine the present condition of built structure. Chapter on functional aspects of building rehabilitation and technology provides detail insight of theoretical frame work of suggested methodology of building rehabilitation work. Two major case studies discussed in the book are elaborated to summarize on-site issues faced by consultant, client and vendors. Case studies show that theoretical framework of building rehabilitation work is often unsuccessful due to techno-managerial issues. Interviews taken from different experts of the construction industry have validated the theoretical and on-site issues related to techno-managerial aspects in the building rehabilitation works and suggested remedial measures for the same. The book further recommends the process of building rehabilitation should be done in conjunction to project management body of knowledge through expert validation and suggest techno-managerial body of knowledge to support building rehabilitation work.

The Healthy Office - R.M. Mehra 2009
Made from the elements, and crafted by Nature over millennia, Man is a highly complex vertebrate that needs food, water, air, sunlight and shelter from the vagaries of the weather in order to survive. He is also prey to a host of malignant influences from the surroundings he chooses to live and work in. As architecture, medicine and other fields of science have evolved over the centuries, greater light has been shed on the myriad forces good and bad, discernible and indiscernible that act on him, some of which are positively harmful to his mental and physical health. Modern man spends a large portion of his life indoors, so buildings with bad ventilation, poorly designed furniture and inadequate sunlight adversely affect his mind and body, crippling his efficiency. Moreover, several invisible but highly injurious sources such as toxic vapours and magnetic lines of force, also take their toll on his health. Ancient civilizations gave prime importance to these factors and many of their neglected techniques, such as directionology, are being revived today. This absorbing book takes a holistic overview of Man's relationship to his surroundings, and contains many a vital clue on how to avert the ill effects of poor surroundings. No architect, interior designer, building contractor, home owner or employer can afford to miss its crucial message.

Building Construction - S. Kumar 2010

Building Material and Construction (WBSCTE) - S.S. Bhavikatti
Building Technology involves selecting suitable materials and carrying out building construction neatly. This book comprehensibly 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
R.C.C. Designs (Reinforced Concrete Structures) - B. C. Punmia 2012-04-01

Building Construction - Sushil Kumar 2006-01-01
A unique book for Architect, Builder, Building Surveyor, Civil, Structural, Degree, Diploma, AMIE, UPSC and Other ExaminationsCONTENTSIntroduction * Foundations * Deep Foundations * Structural Design of Foundations * Damp Proofing and Water Proofing * Cavity Walls * Shoring, Underpiling and Scaffolding * Masonry * Stone Masonry * H BrickMasonry * Composite Masonry * Partition Walls * Ground Floors * Stairs * Upper Floors * Lintels andArches * 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.

Building Construction - Sushil Kumar 2001

Civil Engineering Materials - S. V. Deodhar 1984

Advances in Construction Materials and Sustainable Environment

- Ashok Kumar Gupta 2021-12-14

This book comprises select papers presented at the International Conference on Construction Materials and Environment (ICCME 2020). The topics discussed revolve around the identification and utilization of novel construction materials primarily in the areas of structural engineering, geotechnical engineering, transportation engineering, and environmental engineering. The volume presents a compilation of thoroughly studied and utilized sustainable construction materials in different areas of civil engineering. Newly developed testing methodologies, physical modelling methods, numerical studies, and other latest techniques discussed in this book can prove to be useful for researchers and practitioners across the globe.

Basics of Civil Engineering - Dr. Mukul Burghate

Engineering has been an aspect of life since the beginnings of human existence. The earliest practice of civil engineering may have commenced between 4000 and 2000 BC in ancient Egypt, the Indus Valley civilization, and Mesopotamia (ancient Iraq) when humans started to abandon a nomadic existence, creating a need for the construction of shelter. During this time, transportation became increasingly important leading to the development of the wheel and sailing. Civil engineering is the application of physical and scientific principles for solving the problems of society, and its history is intricately linked to advances in the understanding of physics and mathematics throughout history. Because civil engineering is a broad profession, including several specialized sub-disciplines, its history is linked to knowledge of structures, materials science, geography, geology, soils, hydrology, environmental science, mechanics, project management, and other fields. Throughout ancient and medieval history most architectural design and construction was carried out by artisans, such as stonemasons and carpenters, rising to the role of master builder. Knowledge was retained in guilds and seldom supplanted by advances. Structures, roads, and infrastructure that existed were repetitive, and increases in scale were incremental. The purpose of this textbook is to present an introduction to the subject of Basics of Civil Engineering of Bachelor of Engineering (BE) Semester - I. The book contains the syllabus from basics of the subjects going into the intricacies of the subjects. Students are now required to solve minimum Four (4) Assignments based on the Syllabus. Each topic is followed by Assignment Questions which now forms the compulsory part of internal assessment. All the concepts have been explained with relevant examples and diagrams to make it interesting for the readers. An attempt is made here by the experts of TMC to assist the students by way of providing Study text as per the curriculum with non - commercial considerations. We owe to many websites and their free contents; we would like to specially acknowledge contents of website www.wikipedia.com and various authors whose writings formed the basis for this book. We acknowledge our thanks to them. At the end we would like to say that there is always a room for improvement in whatever we do. We would appreciate any suggestions regarding this study material from the readers so that the contents can be made more interesting and meaningful. Readers can email their queries and doubts to tmcnagpur@gmail.com. We shall be glad to help you immediately. Dr. Mukul Burghate Author

Building Construction - B. C. Punmia 2008-04

Global Climate Change - Bob Frame 1992

Introduction to Geotechnical Engineering - Braja M. Das 2015-01-01

Written in a concise, easy-to-understand manner, INTRODUCTION TO GEOTECHNICAL ENGINEERING, 2e, presents intensive research and observation in the field and lab that have improved the science of foundation design. Now providing both U.S. and SI units, this non-calculus-based text is designed for courses in civil engineering technology programs where soil mechanics and foundation engineering are combined into one course. It is also a useful reference tool for civil engineering

practitioners. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Building Materials in Civil Engineering - Haimei Zhang 2011-05-09

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

Establishing a Performance Index for Construction Project Managers -

Virendra Kumar Paul 2023-03-07

Assessment of professional competence for project managers and the measure of project success is well-trodden ground in the research and professional project management literature. Whilst standards and certifications like PMBOK and the IPMA competence baseline have been developed as a guide for the development of project managers' competence, the manifestation of these competencies into good performance is neither guaranteed nor always easily ascertainable. This book presents a brand new, comprehensive, and reliable quantitative tool to assess the performance of a construction project manager. Though the performance of a project construction manager may be judged on time and cost criteria of a project, there is still no one conclusive evaluation tool based on the varied criteria or competencies that are usually ascribed to them. This book develops a performance index for construction project professionals which can be indicative of their performance measured over varied attributes over the lifetime of their professional development. This index has the potential to provide all project stakeholders with better control over selecting appropriate resources for managing projects and drive the project professional from within towards improving his/her credentials with every project. This book can be used by aspiring and practising project managers for measuring their own performance and assessing their relative strengths and weaknesses. Organizations can use the tool as a benchmark to select the best of their human resources for their projects, and training institutions can use the tool to set a baseline, highlight areas for intervention, and indicate the readiness of trainees to face real world projects.

Practical Handbook On Building Construction - M K Gupta

Sustainable Building with Earth - Horst Schroeder 2015-09-28

This book provides an insightful overview of the current state of earth building. The author approaches the subject from the perspective of the building material's life cycle, featuring in-depth explanations of the cycle's individual steps: extraction and classification of construction soil; production of earth building materials and earthen structures; planning, construction and renovation of earth buildings; and demolition and recycling of earthen structures. This unique resource provides examples of sophisticated earth building projects and illustrates the diverse applications of earth as a building material. Compared to conventional mineral building materials, earth possesses particularly positive ecological qualities such as its energy balance and recyclability. Architects, engineers, students, manufacturers and distributors of building materials, building contractors, building biologists, public authorities and preservationists will benefit from this book's ample coverage of restoring,

optimizing and building with this material of the past, present and future.
Books India - 1975

Engineering Materials (Material Science). - S. C. Rangwala 2014

Building Design and Construction Handbook - Frederick S. Merritt 1982

Provides updated, comprehensive, and practical information and guidelines on aspects of building design and construction, including materials, methods, structural types, components, and costs, and management techniques.

AN EMPIRICAL STUDY OF SUSTAINABILITY OPERATIONS IN HERITAGE HOTELS OF RAJASTHAN - Dr Jai Sonker, Dr Sushil Kumar & Chef (Dr) Saurabh Sharma 2021-06-16

Heritage is defined to be such forts, monuments, objects, facilities, places and precincts with historical, artistic, architectural or cultural importance that may involve usual topographies within those places or areas with eco-friendly importance or attractive beauty for example holy groves, lakes, water sources (and adjacent areas), open fields, woodland areas etc. Heritages further is classified into various other types as per its attributes such as natural heritage, artificial heritage or manmade heritages, tangible heritage, intangible heritage cultural heritage, mixed heritage etc. India holds 38 world heritage sites (by April 2020) that contain 30 Cultural properties, 7 Natural properties and 1 miscellaneous site.

Interior Design (Principles & Practice) - Partap Rao M. 2006-01-01

Interior design is a fast developing discipline in India, we are slowly accepting this fact. Most of the students of Interior Design are not very clear about syllabus and method of study. There is no real text book which can guide the students of Interior Design, and this book tries to meet the desperate need. CONTENTS Theory * History of Interior design * Basics of Design composition * Introduction to Building Materials * Plumbing and Sanitation * Natural Ventilation * Air Conditioning * Natural Lighting * Artificial Lighting * Acoustics * Building Protection * Interior Furnishing * Painting Interiors * Indian Institute of Interior Designers Rules and Regulations Drawing * Lettering and Scales * Figures and Projections * Building Material Symbols * Space Standards * External Parts * Internal Parts * Kitchen Design * Stair Cases * Theory of Colours * Rendering Techniques * Three Dimensional Views * Interior Design Method * Introduction to Computer Aided Drafting (CAD)

Building Construction - B.C. Punmia; Ashok Kumar Jain; Arun Kumar Jain 2005-12

Building Materials and Construction - Misra, Anil Kumar

Building Materials and Construction is primarily written for the students of Civil Engineering to make them familiar with building materials and construction practices to build their interest in the field. The book starts with explanation of building material concepts and goes on to explain all the important materials like Lime, Bricks, Cement, Timber, Concrete etc. in separate chapters following the same flow as prescribed in major universities. Special emphasis is given on construction materials such as foundation work, stone and brick masonry, plastering work, door and window design, roof and floors, DPC etc.

BUILDING CONSTRUCTION - P. C. VARGHESE 2009-01-14

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.

A Textbook of Building Construction - D. R. Singla 1979

Seismic Evaluation of Existing Buildings - 1993-07

Provides design professionals & local building officials with a standard methodology to evaluate buildings of different types & occupancies in areas of different seismicity throughout the U.S.

Welding Metallurgy - Sindo Kou 2003-03-31

Updated to include new technological advancements in welding Uses illustrations and diagrams to explain metallurgical phenomena Features exercises and examples An Instructor's Manual presenting detailed solutions to all the problems in the book is available from the Wiley editorial department.

Visualization Techniques for Climate Change with Machine Learning and Artificial Intelligence - Arun Lal Srivastav 2022-11-18

Visualization Techniques for Climate Change with Machine Learning and Artificial Intelligence covers computer-aided artificial intelligence and machine learning technologies as related to the impacts of climate change and its potential to prevent/remediate the effects. As such, different types of algorithms, mathematical relations and software models may help us to understand our current reality, predict future weather events and create new products and services to minimize human impact, chances of improving and saving lives and creating a healthier world. This book covers different types of tools for the prediction of climate change and alternative systems which can reduce the levels of threats observed by climate change scientists. Moreover, the book will help to achieve at least one of 17 sustainable development goals i.e., climate action.

Includes case studies on the application of AI and machine learning for monitoring climate change effects and management Features applications of software and algorithms for modeling and forecasting climate change Shows how real-time monitoring of specific factors (temperature, level of greenhouse gases, rain fall patterns, etc.) are responsible for climate change and possible mitigation efforts to achieve environmental sustainability

Building Materials - S.K. Duggal 2017-12-04

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.

Maintenance Engineering (Principles, Practices and Management) - Srivastava, Sushil Kumar 2006

This book is highly useful for the students of B.E./B.Tech. of Punjab Technological University, Jalandhar and also for the other Technological Universities of India as per New Syllabus. Accordingly, few sample question are given at the end of each chapter. The chapter and topics, covered in this book, are expected to encompass the syllabus that may be needed by various colleges/ institutions in maintenance field. It also serves as a reference book for students of all other engineering disciplines in universities, colleges, institutions and also vast numbers of engineer, managers supervisors, technologists and other persons working in or associated with maintenance and upkeep of machines, equipments and systems in any shop, plant or industry.

Fundamentals of Structural Analysis, 2nd Edition - Roy, Sujit Kumar & Chakrabarty Subrata 2003

For B.E./B.Tech. in Civil Engineering and also useful for M.E./M.Tech. students. The book takes an integral look at structural engineering starting with fundamentals and ending with computer analysis. This book is suitable for 5th, 6th and 7th semesters of undergraduate course. In this edition, a new chapter on plastic analysis has been added. A large number of examples have been worked out in the book so that students can master the subject by practising the examples and problems.

Building Construction - Sushil Kumar 1991

Indian Books in Print - 2002