

Free reading Highway engineering by khanna and justo 10th edition (Read Only)

this book of chemical petroleum engineering contains of various topics it covers different type of question with their answers and fill in the blanks required data and equations are given for day to day calculations of chemical engineering topics this book is necessary tool or an instrument for chemical petroleum engineers in this book an attempt has been made by the author to present numerous important questions with answers which have been methodically prepared selected from different text books manuals of petroleum industries spe technical papers and teaching materials of distinguished persons these questions are very relevant for promoting fundamental understanding of petroleum engineering and will be primarily useful for fresh graduates of petroleum engineering who can prepare themselves soundly for both written as well as oral examinations this book is meant for diploma students of chemical engineering and petroleum engineering both for their academic programmes as well as for competitive examination this book contains 18 chapters covering the entire syllabus of diploma course in chemical engineering and petrochemical engineering this book in its present form has been designed to serve as an encyclopedia of chemical engineering so as to be ready reckoner apart from being useful for all types of written tests and interviews faced by chemical engineering and petrochemical engineering diploma students of the country since branch related subjects of petrochemical engineering are same as that of chemical engineering diploma students so this book will be equally useful for diploma in petrochemical engineering students this book on highway engineering shall be useful for b e b tech m e m tech students of civil engineering it shall also be useful for practicing engineering and designers although a number of books written by various authors on the subject are available in the market however the author feels that this book will facilitate the students not only to prepare for the regular university examinations the book is also quite suitable for the professionals since many live examples have been incorporated the book has the following exclusive features i the learning objectives of each chapter have been incorporated in the beginning to develop curiosity among the students ii practice exercise have been added in all the chapters after suitable intervals to impart necessary practice iii at the end of each chapter its summary highlights are given this will enable the students to revise the subject matter quickly iv a number of short answer and test questions have been given at the end of each chapter while answering these questions the readers will have to think deep into the subject matter this will improve their analytical approach consequently the students readers will be in position to respond in a better way while appearing before the selection board or to deal with practical problems v a sufficient number of objective type questions mcq have been given at the end of each chapter these questions will help the students to perform better in the competitive examinations vi the subject matter is treated in a simple and lucid manner so that an average student can understand the subject easily although typical mathematical expressions are avoided but simple mathematical relations are used for better explanation and understanding this book is meant for diploma degree student of metallurgical engineering for their academic programs as well as for various competitive examination for securing jobs this book has been structured in three section first section contains multiple choice type questions of various subjects of metallurgical engineering second section contains chapter wise question of gate graduate aptitude test in engineering from 1991 to 2016 third section contains short questions answers in metallurgical engineering fourth section contains appendices containing glossary of terms related to metallurgical engineering and q a of gate 2017 this book has been designed to serve as hand book of metallurgical engineering which will be useful for various competitive examinations for recruitment in various public sector private sector companies as well as for gate examination question have been arranged subject wise and answers are given at the bottom of the page the main objective kept in mind in writing this book is to familiarize the readers with various types of construction materials their manufacture or production classification important physical and chemical properties their uses advantages disadvantages testing etc the book has been written in a very simple and lucid language illustrated with neatly drawn diagrams and problems the book is designed keeping in mind syllabus of various universities aime the book will prove equally useful to the practicing engineers this book is based on expertise of the authors obtained through their long

teaching careers it is put up in a simple language so that it could cater to one and all the attention of the students is drawn to the topics of bending moments and twisting moments which are not properly explained in most of other books they have been explained with the help of vectors which are used to present these quantities in such a way that one can easily distinguish between these two as what is bending moments and what is twisting motions in the age of industrialisation having main focus on increased production higher productivity stringent quality minimizing cost etc it has become essential to have more knowledge on industrial safety and various hazards with their remedial measures maintenance aspects are also gaining importance as they have substantial impact on production productivity workers safety and their health and working environment neglect of safety in an industry at any stage from concept to design erection commissioning operation and maintenance of plant and machinery may lead to loss of life production and money it is hoped that this book will be very useful for the engineering student and professionals the book covers the aicte model curriculum and the syllabii of various other indian university on the subject this book is designed to meet the complete requirements of engineering mathematics course of undergraduate syllabus the book consists of seven chapters viz infinite series matrices expansion of functions asymptotes curvature partial differentiation multiple integrals each chapter is treated in treated in systematic logical and lucid manner all these chapters are independent units in themselves the students can go through the book picking up any chapter at any given times without referring to other chapters hints where ever necessary and answers of the questions in the exercises are given at the end of each exercise most of the questions solved as well as unsolved have been picked up from the examination papers of different universities and professional examinations there are fully worked out examples and graded exercises with answers aimed at preparing the student for examination as well as higher studies the authors have illustrated various methods to solve particular problems the book provides a detailed guide and optimum implementations to each of the stated 3d printing technology the basic understanding of its operation and the similarity as well as the dissimilarity functions of each printer school students university undergraduates and post graduate student will find the book of immense value to equip them not only with the fundamental in design and implementation but also will encourage them to acquire a system and practice creating their own innovative samples furthermore professionals and educators will be well prepared to use the knowledge and the expertise to practice and advance the technology for the ultimate good of their respective organizations india s transport system has several deficiencies such as inadequate capacity poor safety record emission of pollutants and outmoded technology but as the economy is poised for a big growth in the coming years transportation engineers will have to come up with innovative ideas the book addresses these issues and it is hoped that the engineering students studying transportation engineering will have a clear idea of the problems involved and how they transportation engineering will have a clear idea of the problems involved and how they can be overcome in their professional career while the field of clusters and nano structures in the physical sciences has been actively pursued only over the past two decades nature has known the benefits of the nanoscale for a very long time the focus of the international symposium on clusters and nano assemblies physical and biological systems was to explore ways in which an understanding of the unique properties of nano scale biological systems such as proteins enzyme reactions rna and dna can help us design novel materials composed of inorganic nano scale systems and how techniques developed in the physical sciences can lead to a fundamental understanding of biological systems bringing together the expert contributions from the conference this book deals with the fundamental science and technology of atomic clusters nano structures and their assemblies in physical and biological systems it explores in fascinating detail the manner in which finite size low dimensionality and reduced symmetry affect the properties of nano assemblies contents atomic clustersorganic and molecular clusterscatalysisquantum dots ringsnano wires and tubesmagnetic propertieselectrical and optical propertiesclusters on supportnano growth on strained surfaces nano assembliesbiology at molecular levelbiotechnology readership graduate students researchers and academics in nanoscience and nanotechnology chemistry and physics keywords clusters nano assemblies biotechnology clusters on support quantum dots catalysiskey features an exploration into how the unique properties of nano scale biological systems can aid in the designing of novel materials composed of inorganic nano scale systemsbrings into focus the outstanding problems and future directions of atomic clusters nano structures and their assemblies in physical and biological

systems includes researchers working on surfaces interfaces clusters and nano structures in the physical and biological sciences thermodynamics is the very basic science to appreciate all engineering disciplines more particularly the chemical metallurgical and mechanical engineering in terms of the efficiencies in various related operations that is why metallurgical thermodynamics has been developed specifically to understand the metallurgical engineering processes and their energy efficiencies any change is driven by the potential driving it thermodynamics is the tool to appreciate that potential and to assess the related energy efficiency hence thermodynamics is the basic tool that helps to assess finally the economics of any metallurgical process the more one understands it the better the present book attempts to explain the very basic thermodynamic concepts underlying metallurgical engineering operations and therefore the related economics the book industrial engineering and management covers the syllabus of the subjects industrial engineering industrial management production planning and control production management engineering economics and costing industrial organization principles of management prescribed by different indian universities the book is also useful for the students of management courses section b of aime and u p s c engineering services examination efforts have been made to present the subject matter in concise compact and simple language the theoretical concepts have been supported by large number of numerical illustrations to provide clarity 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 the all in one electronics simplified is comprehensive treatise on the whole gamut of topics in electronics in q a format the book is primarily intended for undergraduate students of electronics engineering and covers six major subjects taught at the undergraduate level students of electronics engineering and covers six major subjects taught at the undergraduate level including electronic devices and circuits network analysis operational amplifiers and linear integrated circuits digital electronics feedback and control systems and measurements and instrumentation each of the thirty chapters is configured as the q a part followed by a large number of solved problems a comprehensive self evaluation exercise comprising multiple choice questions and other forms of objective type exercises concludes each chapter this book covers the syllabi of environmental engineering and public health engineering of various indian universities the book is recommended in aicte model curriculum the book has been divided in 3 part namely water supply engineering sewage engineering and air pollution engineering the book is useful for degree as well as diploma students and is also likely to be useful for practising engineers in this field this book covers complete syllabus of engineering graphics and design along with autocad catering requirements of b tech in engineering the book is in easy to understand simple english it provides step by step solutions to problems along with suitable example and proper drawings using autocad and solid work all chapter make learning easy with unique features such as summary solved examples and practice problems chapters have been organised to present data in concise format with suitable tables diagrams drawings and illustration this concise book has been designed for easy reading and to meet the critical skill requirements of students in the branches of automobile engineering and mechanical engineering and mechanical engineering the contents are presented in 22 lucid chapters the book deals with the fundamentals electric vehicles evs hybrid electric vehicles hev s and fuel cell vehicles fcvs it comprehensively presents vehicle performance configuration and control strategy for different electric and hybrid electric vehicles this course book is intended for use as a textbook and as a primary reference book by colleges and technical universities offering core and elective subjects like electric and hybrid vehicles and new generation vehicles this book is designed for the students of engineering and technology as well as specially for mechanical engineering degree and diploma students the teaching of this course faces difficulty in explaining the various concept of machine drawing viz orthographical projection sectioning complicated mechanical assembly drawing etc sometimes explanation requires some three dimensional and complicated drawing to be drawn on the black board which is quite impossible due to the time constraint of class this book is an outcome of the strong need felt by students offering the course and the teaching need felt by us the teacher can explain the related concepts drawing methods and uses of various parts being drawn etc in each practical class without bothering the black board the subject matter has been compressed from the view point of mechanical engineering students the book also contains basic drawing softwares which describes about the basics of auto cad catia proe

ansys etc which is useful for today's need of engineering technology this textbook is for undergraduate students of electronics and telecommunication engineering and allied disciplines as well as diploma and science courses this book offers an introductory survey of the conceptual development of the subject it provides a simple and lucid presentation of the essential principles formulae and definitions of digital communications the book will help the students to understand variety of economics and sociological issues and concepts it shall provide to them an insight and knowledge to understand the impact of developments in business and society the book will meet the requirements of the engineers to evaluate the comparison of alternatives that involve spending money and their likely outcomes lays a good foundation for robotics core concepts and principles in biomedical and healthcare engineering walking the reader through the fundamental ideas with expert ease progresses on the topics in a step by step manner and reinforces theory with a full fledged pedagogy designed to enhance students understanding and offer them a practical insight into its applications features chapters that introduce and cover novel ideas in healthcare engineering like applications of robots in surgery microrobots and nanorobots in healthcare practices intelligent walker for posture monitoring ai powered robots in biomedical and hybrid intelligent system for medical diagnosis etc the book contains twelve chapters followed by appendices meant for specific target reader groups pertaining to complete domain of water pollution control engineering beside it also contains two chapters devoted to short questions answers and multiple choice questions answers drawn from the examination papers of various engineering colleges for the benefits of the students the book will be useful for degree diploma curriculum of various branches of engineering and for various associate membership examinations conducted by professional bodies like institution of engineers amie indian institute of metals amim indian institute of chemical engineers amiche institute of chemist etc it will also be equally useful for m sc b sc students salient features of the book subject matter has been presented in simple lucid easy to understand language covers all the topics included in the syllabus of various engineering colleges technical institutes professional bodies examination papers short question answers and multiple choice questions answers drawn from the examination papers of various engineering colleges and professional bodies examinations given at the end of the book enhances its utility for students up to date statistics and glossary of terms related to the subject have been included this book titled housing for all design construction and management by a k jain is a comprehensive assessment of the housing situation in india which not only traces the path taken by governments so far but also outlines a roadmap for the future the book begins with an overview of the housing scenario in india it discusses various housing programmes and draws a distinction between affordable housing and adequate housing the book also draws particular attention to housing issues of special groups such as the elderly disabled homeless migrant and transit workers students and single women there is also a discussion on the issue of social and physical infrastructure the book notes that housing units alone do not constitute housing but infrastructure plays a critical role in the occupancy of housing the question of reducing the cost of housing has been vexatious for long jain deals with this issue in detail and suggests various low cost technologies and house building systems for making housing more affordable another issue is that of rental housing jain suggests that giving a boost to rental housing through a slew of measures can go a long way in making housing more accessible and bring vacant housing into the market covers highway material testing procedures placing an emphasis on the interpretation of results and relating these to practical applications detailed testing procedures following the latest codes and guidelines are included the book is divided into seven modules dealing with soils aggregates bitumen granular and bituminous mix design quality control and pavement evaluation this well balanced text with its fine blend of theory and applications gives an in depth understanding of production and operations management in an easy to understand style employing an innovative approach the author shows how the use of modern advanced technology gives a boost to production processes and significantly helps production and operations management the book clearly demonstrates the use of special software packages to solve actual problems retaining the original contents the book divided into six parts explains following in its second edition why necessity of production and operations management what product service design product quality and other issues how process design and related issues where plant location layout and capacity when planning and control of production operations who human relations issues that affect production and operations key features learning objectives at the beginning of each chapter enable readers to

focus on important points of a chapter a concept quiz at the end of each chapter helps the reader to evaluate his understanding of the concepts explained in a chapter numerous solved examples and answers to all chapter end numerical problems have been provided covers service operations in almost every chapter in addition to the traditional manufacturing operations a section with 10 progressive short case studies gives real world experience chapter end summary helps readers to review and recapitulate the key concepts the students of management and engineering mechanical production and industrial engineering will be benefited with the book an instructor manual containing powerpoint slides and solutions to chapter end problems is available the book is recommended by aicte for pgdm course the link is [aicte india org modelsyllabus php](http://aicte.india.org/modelsyllabus.php)

Highway Engineering

1973

this book of chemical petroleum engineering contains of various topics it covers different type of question with their answers and fill in the blanks required data and equations are given for day to day calculations of chemical engineering topics this book is necessary tool or an instrument for chemical petroleum engineers

Highway Engineering

1991

in this book an attempt has been made by the author to present numerous important questions with answers which have been methodically prepared selected from different text books manuals of petroleum industries spe technical papers and teaching materials of distinguished persons these questions are very relevant for promoting fundamental understanding of petroleum engineering and will be primarily useful for fresh graduates of petroleum engineering who can prepare themselves soundly for both written as well as oral examinations

Civil Engineering Materials

1984

this book is meant for diploma students of chemical engineering and petroleum engineering both for their academic programmes as well as for competitive examination this book contains 18 chapters covering the entire syllabus of diploma course in chemical engineering and petrochemical engineering this book in its present form has been designed to serve as an encyclopedia of chemical engineering so as to be ready reckoner apart from being useful for all types of written tests and interviews faced by chemical engineering and petrochemical engineering diploma students of the country since branch related subjects of petrochemical engineering are same as that of chemical engineering diploma students so this book will be equally useful for diploma in petrochemical engineering students

Khanna's Outlines of CHEMICAL & PETROLEUM ENGINEERING

2017

this book on highway engineering shall be useful for b e b tech m e m tech students of civil engineering it shall also be useful for practicing engineering and designers

Elements Of Civil Engineering

2016-01-01

although a number of books written by various authors on the subject are available in the market however the author feels that this book will facilitate the students not only to prepare for the regular university examinations the book is also quite suitable for the professionals since many live examples have been incorporated the book has the following exclusive features i the learning objectives of each chapter have been incorporated in the beginning to develop curiosity among the students ii practice exercise have been added in all the chapters after suitable intervals to impart necessary practice iii at the end of each chapter its summary highlights are given this will enable the students to revise the subject matter quickly iv a number of short answer and test questions have been given at the end of each chapter while answering these questions the readers will have

to think deep into the subject matter this will improve their analytical approach consequently the students readers will be in position to respond in a better way while appearing before the selection board or to deal with practical problems v a sufficient number of objective type questions mcq have been given at the end of each chapter these questions will help the students to perform better in the competitive examinations vi the subject matter is treated in a simple and lucid manner so that an average student can understand the subject easily although typical mathematical expressions are avoided but simple mathematical relations are used for better explanation and understanding

Handbook Of Civil Engineering (ready Reference For Practising Engineer's)

2017

this book is meant for diploma degree student of metallurgical engineering for their academic programs as well as for various competitive examination for securing jobs this book has been structured in three section first section contains multiple choice type questions of various subjects of metallurgical engineering second section contains chapter wise question of gate graduate aptitude test in engineering from 1991 to 2016 third section contains short questions answers in metallurgical engineering fourth section contains appendices containing glossary of terms related to metallurgical engineering and q a of gate 2017 this book has been designed to serve as hand book of metallurgical engineering which will be useful for various competitive examinations for recruitment in various public sector private sector companies as well as for gate examination question have been arranged subject wise and answers are given at the bottom of the page

Khanna's Objective Questions in Petroleum Engineering

2017

the main objective kept in mind in writing this book is to familiarize the readers with various types of construction materials their manufacture or production classification important physical and chemical properties their uses advantages disadvantages testing etc the book has been written in a very simple and lucid language illustrated with neatly drawn diagrams and problems the book is designed keeping in mind syllabus of various universities aime the book will prove equally useful to the practicing engineers

Khanna's Objective Type Questions & Answers in Chemical Engineering

1980

this book is based on expertise of the authors obtained through their long teaching careers it is put up in a simple language so that it could cater to one and all the attention of the students is drawn to the topics of bending moments and twisting moments which are not properly explained in most of other books they have been explained with the help of vectors which are used to present these quantities in such a way that one can easily distinguish between these two as what is bending moments and what is twisting motions

Highway Engineering

2016-10

in the age of industrialisation having main focus on increased production higher productivity stringent quality minimizing cost etc it has become essential to have more knowledge on industrial safety and various hazards with their remedial measures maintenance aspects are also gaining importance as they have substantial impact on production productivity workers safety and their

health and working environment neglect of safety in an industry at any stage from concept to design erection commissioning operation and maintenance of plant and machinery may lead to loss of life production and money it is hoped that this book will be very useful for the engineering student and professionals the book covers the aicte model curriculum and the syllabii of various other indian university on the subject

Basic Electrical Engineering

2017

this book is designed to meet the complete requirements of engineering mathematics course of undergraduate syllabus the book consists of seven chapters viz infinite series matrices expansion of functions asymptotes curvature partial differentiation multiple integrals each chapter is treated in treated in systematic logical and lucid manner all these chapters are independent units in themselves the students can go through the book picking up any chapter at any given times without referring to other chapters hints where ever necessary and answers of the questions in the exercises are given at the end of each exercise most of the questions solved as well as unsolved have been picked up from the examination papers of different universities and professional examinations there are fully worked out examples and graded exercises with answers aimed at preparing the student for examination as well as higher studies the authors have illustrated various methods to solve particular problems

Khanna's Multichoice Questions & Answers in Metallurgical Engineering

2014

the book provides a detailed guide and optimum implementations to each of the stated 3d printing technology the basic understanding of its operation and the similarity as well as the dissimilarity functions of each printer school students university undergraduates and post graduate student will find the book of immense value to equip them not only with the fundamental in design and implementation but also will encourage them to acquire a system and practice creating their own innovative samples furthermore professionals and educators will be well prepared to use the knowledge and the expertise to practice and advance the technology for the ultimate good of their respective organizations

Industrial Engineering And Management

1999

india s transport system has several deficiencies such as inadequate capacity poor safety record emission of pollutants and outmoded technology but as the economy is poised for a big growth in the coming years transportation engineers will have to come up with innovative ideas the book addresses these issues and it is hoped that the engineering students studying transportation engineering will have a clear idea of the problems involved and how they transportation engineering will have a clear idea of the problems involved and how they can be overcome in their professional career

Civil Engineering Construction Materials

2016-07-01

while the field of clusters and nano structures in the physical sciences has been actively pursued only over the past two decades nature has known the benefits of the nanoscale for a very long time the focus of the international symposium on clusters and nano assemblies physical and biological

systems was to explore ways in which an understanding of the unique properties of nano scale biological systems such as proteins enzyme reactions rna and dna can help us design novel materials composed of inorganic nano scale systems and how techniques developed in the physical sciences can lead to a fundamental understanding of biological systems bringing together the expert contributions from the conference this book deals with the fundamental science and technology of atomic clusters nano structures and their assemblies in physical and biological systems it explores in fascinating detail the manner in which finite size low dimensionality and reduced symmetry affect the properties of nano assemblies contents atomic clustersorganic and molecular clusterscatalysisquantum dots ringsnano wires and tubesmagnetic propertieselectrical and optical propertiesclusters on supportnano growth on strained surfaces nano assembliesbiology at molecular levelbiotechnology readership graduate students researchers and academics in nanoscience and nanotechnology chemistry and physics keywords clusters nano assemblies biotechnology clusters on support quantum dots catalysiskey features an exploration into how the unique properties of nano scale biological systems can aid in the designing of novel materials composed of inorganic nano scale systemsbrings into focus the outstanding problems and future directions of atomic clusters nano structures and their assemblies in physical and biological systemsincludes researchers working on surfaces interfaces clusters and nano structures in the physical and biological sciences

Engineering Mechanics

2005-05-09

thermodynamics is the very basic science to appreciate all engineering disciplines more particularly the chemical metallurgical and mechanical engineering in terms of the efficiencies in various related operations that is why metallurgical thermodynamics has been developed specifically to understand the metallurgical engineering processes and their energy efficiencies any change is driven by the potential driving it thermodynamics is the tool to appreciate that potential and to assess the related energy efficiency hence thermodynamics is the basic tool that helps to assess finally the economics of any metallurgical process the more one understands it the better the present book attempts to explain the very basic thermodynamic concepts underlying metallurgical engineering operations and therefore the related economics

Industrial Safety and Maintenance Management

2017

the book industrial engineering and management covers the syllabus of the subjects industrial engineering industrial management production planning and control production management engineering economics and costing industrial organization principles of management prescribed by different indian universities the book is also useful for the students of management courses section b of aime and u p s c engineering services examination efforts have been made to present the subject matter in concise compact and simple language the theoretical concepts have been supported by large number of numerical illustrations to provide clarity

Engineering Mathematics-I

2002-08-29

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

3D Printing & Design

2009

the all in one electronics simplified is comprehensive treatise on the whole gamut of topics in electronics in q a format the book is primarily intended for undergraduate students of electronics engineering and covers six major subjects taught at the undergraduate level students of electronics engineering and covers six major subjects taught at the undergraduate level including electronic devices and circuits network analysis operational amplifiers and linear integrated circuits digital electronics feedback and control systems and measurements and instrumentation each of the thirty chapters is configured as the q a part followed by a large number of solved problems a comprehensive self evaluation exercise comprising multiple choice questions and other forms of objective type exercises concludes each chapter

Engineering Mathematics

2011

this book covers the syllabi of environmental engineering and public health engineering of various indian universities the book is recommended in aicte model curriculum the book has been divided in 3 part namely water supply engineering sewage engineering and air pollution engineering the book is useful for degree as well as diploma students and is also likely to be useful for practising engineers in this field

TRANSPORTATION ENGINEERING

2021-06-29

this book covers complete syllabus of engineering graphics and design along with autocad catering requirements of b tech in engineering the book is in easy to understand simple english it provides step by step solutions to problems along with suitable example and proper drawings using autocad and solid work all chapter make learning easy with unique features such as summary solved examples and practice problems chapters have been organised to present data in concise format with suitable tables diagrams drawings and illustration

Clusters and Nano-Assemblies

2015-09-30

this concise book has been designed for easy reading and to meet the critical skill requirements of students in the branches of automobile engineering and mechanical engineering and mechanical engineering the contents are presented in 22 lucid chapters the book deals with the fundamentals electric vehicles evs hybrid electric vehicles hevcs and fuel cell vehicles fcvs it comprehensively presents vehicle performance configuration and control strategy for different electric and hybrid electric vehicles this course book is intended for use as a textbook and as a primary reference book by colleges and technical universities offering core and elective subjects like electric and hybrid vehicles and new generation vehicles

Essentials of Metallurgical Thermodynamics

2015-06-01

this book is designed for the students of engineering and technology as well as specially for mechanical engineering degree and diploma students the teaching of this course faces difficulty in explaining the various concept of machine drawing viz orthographical projection sectioning complicated mechanical assembly drawing etc sometimes explanation requires some three

dimensional and complicated drawing to be drawn on the black board which is quite impossible due to the time constraint of class this book is an outcome of the strong need felt by students offering the course and the teaching need felt by us the teacher can explain the related concepts drawing methods and uses of various parts being drawn etc in each practical class without bothering the black board the subject matter has been compressed from the view point of mechanical engineering students the book also contains basic drawing softwares which describes about the basics of auto cad catia proe ansys etc which is useful for today s need of engineering technology

Industrial Engineering and Management

2007

this textbook is for undergraduate students of electronics and telecommunication engineering and allied disciplines as well as diploma and science courses this book offers an introductory survey of the conceptual development of the subject it provides a simple and lucid presentations of the essential principles formulae and definitions of digital communications

The Civil Engineering Handbook

1972

the book will help the students to understand variety of economics and sociological issues and concepts it shall provide to them an insight and knowledge to understand the impact of developments in business and society the book will meet the requirements of the engineers to evaluate the comparison of alternatives that involve spending money and their likely outcomes

All-in-One Electronics Simplified

1996

lays a good foundation for robotics core concepts and principles in biomedical and healthcare engineering walking the reader through the fundamental ideas with expert ease progresses on the topics in a step by step manner and reinforces theory with a full fledged pedagogy designed to enhance students understanding and offer them a practical insight into its applications features chapters that introduce and cover novel ideas in healthcare engineering like applications of robots in surgery microrobots and nanorobots in healthcare practices intelligent walker for posture monitoring ai powered robots in biomedical and hybrid intelligent system for medical diagnosis etc

Environmental Engineering

the book contains twelve chapters followed by appendices meant for specific target reader groups pertaining to complete domain of water pollution control engineering beside it also contains two chapters devoted to short questions answers and multiple choice questions answers drawn from the examination papers of various engineering colleges for the benefits of the students the book will be useful for degree diploma curriculum of various branches of engineering and for various associate membership examinations conducted by professional bodies like institution of engineers amie indian institute of metals amiim indian institute of chemical engineers amiiche institute of chemist etc it will also be equally useful for m sc b sc students salient features of the book subject matter has been presented in simple lucid easy to understand language covers all the topics included in the syllabus of various engineering colleges technical institutes professional bodies examination papers short question answers and multiple choice questions answers drawn from the examination papers of various engineering colleges and professional bodies examinations given at the end of the book enhances its utility for students up to date statistics and glossary of terms related to the subject have been included

Engineering Graphics and Design

this book titled housing for all design construction and management by a k jain is a comprehensive assessment of the housing situation in india which not only traces the path taken by governments so far but also outlines a roadmap for the future the book begins with an overview of the housing scenario in india it discusses various housing programmes and draws a distinction between affordable housing and adequate housing the book also draws particular attention to housing issues of special groups such as the elderly disabled homeless migrant and transit workers students and single women there is also a discussion on the issue of social and physical infrastructure the book notes that housing units alone do not constitute housing but infrastructure plays a critical role in the occupancy of housing the question of reducing the cost of housing has been vexatious for long jain deals with this issue in detail and suggests various low cost technologies and house building systems for making housing more affordable another issue is that of rental housing jain suggests that giving a boost to rental housing through a slew of measures can go a long way in making housing more accessible and bring vacant housing into the market

Engineering Mechanics: Statics & Dynamics

covers highway material testing procedures placing an emphasis on the interpretation of results and relating these to practical applications detailed testing procedures following the latest codes and guidelines are included the book is divided into seven modules dealing with soils aggregates bitumen granular and bituminous mix design quality control and pavement evaluation

Electric & Hybrid Vehicles

this well balanced text with its fine blend of theory and applications gives an in depth understanding of production and operations management in an easy to understand style employing an innovative approach the author shows how the use of modern advanced technology gives a boost to production processes and significantly helps production and operations management the book clearly demonstrates the use of special software packages to solve actual problems retaining the original contents the book divided into six parts explains following in its second edition why necessity of production and operations management what product service design product quality and other issues how process design and related issues where plant location layout and capacity when planning and control of production operations who human relations issues that affect production and operations key features learning objectives at the beginning of each chapter enable readers to focus on important points of a chapter a concept quiz at the end of each chapter helps the reader to evaluate his understanding of the concepts explained in a chapter numerous solved examples and answers to all chapter end numerical problems have been provided covers service operations in almost every chapter in addition to the traditional manufacturing operations a section with 10 progressive short case studies gives real world experience chapter end summary helps readers to review and recapitulate the key concepts the students of management and engineering mechanical production and industrial engineering will be benefited with the book an instructor manual containing powerpoint slides and solutions to chapter end problems is available the book is recommended by aicte for pgdm course the link is [aicte india org modelsyllabus php](http://aicte.india.org/modelsyllabus.php)

Machine Drawing

Digital Communication

Project Management

Sociology and Economics for Engineers

Robotic Technologies in Biomedical and Healthcare Engineering

Elements of Water Pollution Control

Housing for All

Highway Material Testing and Quality Control

PRODUCTION AND OPERATIONS MANAGEMENT

Software Engineering

High Voltage Engineering

Numerical Methods in Engineering and Science

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