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KEY=AND - GRANT MANN

Engineering Drawing Plane and Solid Geometry Textbook of Engineering Drawing Salient Features: Provided simple step by step explanations to motivate self study of the subject. Free hand sketching techniques are provided. Worksheets for free hand practice are provided. A new chapter on Computer Aided Design and Drawing (CADD) is added. **Machine Drawing OUP India** Machine Drawing is a textbook designed for undergraduate students of mechanical engineering for a course on machine drawing. This textbook will help students to learn the art of preparing good and accurate drawing of machine parts. **Computer Aided Engineering Graphics : (As Per The New Syllabus, B. Tech. I Year Of U.P. Technical University)** New Age International **Machine Drawing** New Age International About the Book: Written by three distinguished authors with ample academic and teaching experience, this textbook, meant for diploma and degree students of Mechanical Engineering as well as those preparing for AMIE examination, incorporates the latest st **Engineering Graphics for the First Year Student (GTU)** S. Chand Publishing Engineering Graphics, in its 13th year, has been succinctly revised for the Engineering students of 1st year of Gujarat Technological University, Ahmedabad Beginning with the units, dimensions and standard, this book discusses the measurement and measurement errors. Then, it goes on to discuss electronics equipment, measurements of low resistance and A.C. bridges. Moreover, the book deals with the cathode ray oscilloscopes. Further, it describes various instrument calibration. Finally, the book deals with recorders and plotters. **Analysis of Infectious Disease Problems (Covid-19) and Their Global Impact** Springer Nature This edited volume is a collection of selected research articles discussing the analysis of infectious diseases by using mathematical modelling in recent times. Divided into two parts, the book gives a general and country-wise analysis of Covid-19. Analytical and numerical techniques for virus models are presented along with the application of mathematical modelling in the analysis of their spreading rates and treatments. The book also includes applications of fractional differential equations as well as ordinary, partial and integrodifferential equations with optimization methods. Probability distribution and their bio-mathematical applications have also been studied. This book is a valuable resource for researchers, scholars, biomathematicians and medical experts. **Ethics and Drug Resistance: Collective Responsibility for Global Public Health** Springer Nature This Open Access volume provides in-depth analysis of the wide range of ethical issues associated with drug-resistant infectious diseases. Antimicrobial resistance (AMR) is widely recognized to be one of the greatest threats to global public health in coming decades; and it has thus become a major topic of discussion among leading bioethicists and scholars from related disciplines including economics, epidemiology, law, and political theory. Topics covered in this volume include responsible use of antimicrobials; control of multi-resistant hospital-acquired infections; privacy and data collection; antibiotic use in childhood and at the end of life; agricultural and veterinary sources of resistance; resistant HIV, tuberculosis, and malaria; mandatory treatment; and trade-offs between current and future generations. As the first book focused on ethical issues associated with drug resistance, it makes a timely contribution to debates regarding practice and policy that are of crucial importance to global public health in the 21st century. **Newborn Screening for Sickle Cell Disease and other Haemoglobinopathies** MDPI Newborn Screening for Sickle Cell Disease and other Haemoglobinopathies is a Special Issue of the International Journal of Neonatal Screening. Sickle cell disease is one of the most common inherited blood disorders, with a huge impact on health care systems due to high morbidity and high mortality associated with the undiagnosed disease. Newborn screening helps to make the diagnosis early and to prevent fatal complications and diagnostic odysseys. This book gives an overview of diagnostic standards in newborn screening for sickle cell disease and examples of existing newborn screening programs. **Greene's Protective Groups in Organic Synthesis** John Wiley & Sons **Professional Ethics and Human Values** Firewall Media **Computer Aided Engineering Drawing (As Per The Latest Bis Standards Sp: 46-2003) , Third Edition** I. K. International Pvt Ltd In Computer Aided Engineering Drawing, the author draws upon his vast experience of teaching and presents a student friendly step-by-step demonstrative approach, similar to that of classroom teaching. Key Features: * Use of updated B.I.S. conventions. * Incorporates standard assumptions in case of incomplete data by framing special problems. * Introduces various softwares for computer-aided engineering drawings. * Includes solved problems using different methods. * A concise summary at the end of each chapter for quick revision. * Includes solutions to difficult problems using 3-D diagrams. * Examination problems of VTU and other universities have been included in the exercise section for practice. Hints have been given to solve the problems where necessary. * The complete book has been written with classroom teaching approach. **Engineering Drawing And Graphics** New Age International This Book Provides A Systematic Account Of The Basic Principles Involved In Engineering Drawing. The Treatment Is Based On The First Angle Projection. Salient Features: * Nomography Explained In Detail. * 555 Self-Explanatory Solved University Problems. * Step-By-Step Procedures. * Side-By-Side Simplified Drawings. * Adopts B.I.S. And I.S.O. Standards. * 1200 Questions Included For Self Test. The Book Would Serve As An Excellent Text For B.E., B.Tech., B.Sc. (Ap. Science) Degree And Diploma Students Of Engineering. Amie Students Would Also Find It Extremely Useful. **Fundamentals of Engineering Drawing Big Data, Cloud and Applications Third International Conference, BDCA 2018, Kenitra, Morocco, April 4-5, 2018, Revised Selected Papers** Springer This book constitutes the thoroughly refereed proceedings of the Third International Conference on Big Data, Cloud and Applications, BDCA 2018, held in Kenitra, Morocco, in April 2018. The 45 revised full papers presented in this book were carefully selected from 99 submissions with a thorough double-blind review process. They focus on the following topics: big data, cloud computing, machine learning, deep learning, data analysis, neural networks, information system and social media, image processing and applications, and natural language processing. **Antibiotic Resistance Mechanisms and New Antimicrobial Approaches** Academic Press Antibiotic Resistance: Mechanisms and New Antimicrobial Approaches discusses up-to-date knowledge in mechanisms of antibiotic resistance and all recent advances in fighting microbial resistance such as the applications of nanotechnology, plant products, bacteriophages, marine products, algae, insect-derived products, and other alternative methods that can be applied to fight bacterial infections. Understanding fundamental mechanisms of antibiotic resistance is a key step in the discovery of effective methods to cope with resistance. This book also discusses methods used to fight antibiotic-resistant infection based on a deep understanding of the mechanisms involved in the development of the resistance. Discusses methods used to fight antibiotic-resistant infection based on a deep understanding of mechanisms involved in the development of the resistance Provides information on modern methods used to fight antibiotic resistance Covers a wide range of alternative methods to fight bacterial resistance, offering the most complete information available Discusses both newly emerging trends and traditionally applied methods to fight antibiotic resistant infections in light of recent scientific developments Offers the most up-to-date information in fighting antibiotic resistance Includes involvement of contributors all across the world, presenting questions of interest to readers of both developed and developing countries **Engineering Drawing** Oxford University Press, USA Engineering Drawing is a textbook designed for the students of all engineering disciplines to develop a spatial bent of mind to observe, visualize, and understand the structure of objects from different perspectives. This ability forms the central idea of design and development of all engineering products. Beginning with the basics, such as BIS conventions, geometrical constructions, and scales, the book presents a detailed chapter on Visualization Concepts and Freehand Sketching, which lays the foundation to understand the subsequent chapters on orthographic projections, projection of points, lines, planes, and solids. These chapters ease the complexity of understanding further chapters such as intersection of solids, surfaces, and development of surfaces. The last few chapters discuss isometric projections, transformation of projections, perspective projections, and finally computer-aided drafting that briefs the reader about the utility of AutoCAD 2015 tools in drawing. The book provides a number of example problems, step-by-step procedure for solutions, numerous graded practice exercises, and multiple-choice questions. **2015 American Heart Association Guidelines Update for CPR and ECC Engineering Drawing A Course for Technical Schools of Mechanical Engineering** Originally published in the Soviet Union in 1968, this book provides a unique viewpoint, and the description below comes from the original publication. This textbook for the students of engineering courses at technical schools covers the basic elements of descriptive geometry, projection and engineering drawing and drawing techniques. The material in each section is illustrated by examples drawn from engineering practice, while the figures and illustrations follow the latest technical and industrial developments. To help the student get a better grasp of the subject, drawings of parts and units are supplemented with photographs and axonometric projections. Thanks to the numerous examples and exercises provided, the book can be used for self-instruction and home study. Sergei Bogolyubov is an experienced Soviet teacher and authority on engineering drawing, which he has been teaching for over thirty years. He has done much work both on teaching methods and on the preparation of textbooks and manuals. He is also the author of an atlas of machine components and manuals of the equipment of drawing offices. His books Engineering Drawing, Problems in Drawing, and A Course of Technical Drawing are widely used. Alexander Voinov is Associate Professor of Drawing at the Bauman Higher Technical School in Moscow. He is the author of a number of textbooks and teaching aids on engineering drawing, and has twenty-five years experience of teaching at colleges of technology. **Business Maharajas** Penguin Books India The inside track to India's most powerful tycoons The eight business maharajas profiled here are among Asia's most powerful industrial tycoons, Their combined turnover runs into billions of rupees, and between them they employ some 650,000 people, while indirectly affecting the lives of millions more. Sip a cup of tea, drive to work, listen to music, build a house and the chances are that in these and a myriad other ways you are using products that they manufacture or market. By any yardstick, the achievements of these men would rank among the great business stories of our time. How did these men build their enormous empires? What are their management secrets? How did they thrive and prosper even as others failed? What is their vision for the future? Top business writer and industry insider Gita Piramal draws on exhaustive interviews and in-depth research to discover the answers to these and related questions in her profiles of the men who will lead the country's push to become an industrial superpower in the 21st century. **Approaches to Heavy Metal Tolerance in Plants** Springer This book summarizes the development of highly tolerant cultivars via plant breeding, genomics, and proteomic approaches. This book could supplement data for budding researchers by providing extensive ongoing measures to improve the detoxification competence of appropriate species via wide range of plant improvement approaches. It also offers insights into heavy metal signalling, metal chelation by organic acids, amino acids, and phosphate derivatives, and illustrates other strategies that have been extensively investigated, such as genetic engineering, ecological improvement of the rhizosphere using mycorrhiza and chelator enhanced phytoremediation technology. This book could provide simple anthology for undergraduate and postgraduate students to understand fundamentals of heavy metal pollution in the environment. The book closes with a prelude to an inclusive study of biodiversity that could provide new biofilters for metal detoxification. **Engineering Drawing** Seagull Books Pvt Ltd **Machine Drawing Geometric and Engineering Drawing** Routledge For all students and lecturers of basic engineering and technical drawing The new edition of this successful text describes all the geometric instructions and engineering drawing information, likely to be needed by anyone preparing or interpreting drawings or designs. There are also plenty of exercises to practise these principles. **Artificial Intelligence and Industrial Applications Artificial Intelligence Techniques for Cyber-Physical, Digital Twin Systems and Engineering Applications** Springer Nature This book gathers selected papers from Artificial Intelligence and Industrial Applications (A2IA'2020), the first installment of an annual international conference organized by ENSAM-Meknes at Moulay Ismail University, Morocco. The 29 papers presented here were carefully reviewed and selected from 141 submissions by an

international scientific committee. They address various aspects of artificial intelligence such as digital twin, multiagent systems, deep learning, image processing and analysis, control, prediction, modeling, optimization and design, as well as AI applications in industry, health, energy, agriculture, and education. The book is intended for AI experts, offering them a valuable overview and global outlook for the future, and highlights a wealth of innovative ideas and recent, important advances in AI applications, both of a foundational and practical nature. It will also appeal to non-experts who are curious about this timely and important subject. **Business Legends** Penguin UK The Golden age of Indian industry, as it now seems in retrospect, lasted from 1951 to '62. and industrialists of the lime were not afraid to think ahead and plan big. Among the entrepreneurs who led this Industrial resurgence, four were particularly outstanding, G.D. Birla, Walchand Hirachand, Kasturbhai Lalbhai and, J.R.D. Tata. Gita Piramal, author of the acclaimed *Business Maharajas*, sensitively recreates the Lives and Times of these four titans of industry. She draws upon hitherto untapped sources of information to Sketch her profiles, making htis perhaps the closest Look at these legends this fair. Thought provoking and incisive. **Business Legends** is a compelling Account of ambition and achievement. **Python for Software Design How to Think Like a Computer Scientist** Cambridge University Press A no-nonsense introduction to software design using the Python programming language. Written for people with no programming experience, this book starts with the most basic concepts and gradually adds new material. Some of the ideas students find most challenging, like recursion and object-oriented programming, are divided into a sequence of smaller steps and introduced over the course of several chapters. The focus is on the programming process, with special emphasis on debugging. The book includes a wide range of exercises, from short examples to substantial projects, so that students have ample opportunity to practise each new concept. Exercise solutions and code examples are available from thinkpython.com, along with Swampy, a suite of Python programs that is used in some of the exercises. **Interpreting Engineering Drawings** Cengage Learning INTERPRETING ENGINEERING DRAWINGS, 8th EDITION offers comprehensive, state-of-the-art training that shows readers how to create professional-quality engineering drawings that can be interpreted with precision in today's technology-based industries. This flexible, user-friendly textbook offers unsurpassed coverage of the theory and practical applications that you'll need as readers communicate technical concepts in an international marketplace. All material is developed around the latest ASME drawing standards, helping readers keep pace with the dynamic changes in the field of engineering graphics. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. **Geometrical Drawing for Art Students Stoichiometry Biology and Pathogenesis of Rhabdo- and Filoviruses** World Scientific Rhabdoviruses and Filoviruses are single-stranded, non-segmented, negative-strand RNA viruses, many of which cause significant morbidity and mortality in humans and animals. Certain members of these virus families have been used as excellent model systems to understand the molecular biology of replication, host responses to infections, and viral countermeasures. Rhabdoviruses have also been used as vaccine vectors as well as oncolytic agents. Studies on Filoviruses have now provided significant insights into how they enter susceptible cells, replicate and cause disease, and also how they evade the host's immune mechanisms. This book addresses the most recent findings on Rhabdovirus and Filovirus structure, replication mechanisms, host cell responses to virus infections and viral countermeasures. Chapters on emerging viruses as well as approaches for therapeutic interventions have also been included. This book represents an authoritative text that brings together the most recent advances on the cellular and molecular biology of Rhabdo- and Filoviruses, including mechanisms of pathogenesis. Contents: Overview of Rhabdo- and Filoviruses (Asit K Pattnaik and Michael A Whitt) Rhabdovirus Structure (Ming Luo) The Pathway of VSV Entry into Cells (Shem Johnson and Jean Gruenberg) Rhabdovirus Glycoproteins (Yves Gaudin and Michael A Whitt) VSV RNA Transcription and Replication (Jacques Perrault) Host Cell Functions in Vesicular Stomatitis Virus Replication (Phat X Dinh, Anshuman Das, and Asit K Pattnaik) Cytopathogenesis of Rhabdoviruses (Douglas S Lyles) Assembly and Budding of Rhabdo- and Filoviruses (Ziyang Han and Ronald N Harty) Rhabdoviruses as Vaccine Vectors: From Initial Development to Clinical Trials (John K Rose and David K Clarke) Oncolytic Rhabdoviruses (Nicole E Forbes and John C Bell) Use of Rhabdoviruses to Study Neural Circuitry (Melanie Ginger, Guillaume Bony, Matthias Haberl, and Andreas Frick) Evolution of Rhabdo- and Filoviruses (Isabel S Novella, John B Presloid, and R Travis Taylor) Emerging Rhabdoviruses (Imke Steffen and Graham Simmons) Rabies Virus Replication and Pathogenesis (Andrew W Hudacek and Matthias J Schnell) Activation and Evasion of Innate Immune Response by Rhabdoviruses (Karl-Klaus Conzelmann) Rabies Virus Vaccines (Ying Huang, Clement W Gnanadurai, and Zhen F Fu) Filovirus Structure and Morphogenesis (Timothy F Booth, Daniel R Beniac, Melissa J Rabb, and Lindsey L Lamboo) Epidemiology and Pathogenesis of Filovirus Infections (Logan Banadyga and Hideki Ebihara) Filovirus Entry into Susceptible Cells (Rohit K Jangra, Eva Mittler, and Kartik Chandran) Filovirus Transcription & Replication (Kristina Brauburger, Laure R Deflubé, and Elke Muhlberger) Innate Immune Evasion Mechanisms of Filoviruses (Christopher F Basler, Gaya K Amarasinghe, and Daisy W Leung) Vaccines and Antivirals for Filoviruses (Chad E Mire and Thomas W Geisbe) Readership: Investigators, graduate students, and post-graduate researchers in the field of RNA virology. Key Features: The book describes the most recent advances in our understanding of cellular and molecular aspects of replication and pathogenic mechanisms of these two important viral pathogens Unlike other existing textbooks published earlier, this book brings together several major topics of research such as replication, host response to viral replication and viral countermeasures, viral evolution and emerging viruses, viral vectors, vaccines and antivirals, etc The chapters in the book are written by renowned researchers in these fields Keywords: Negative-Strand RNA Virus; Mononegavirales; Rhabdovirus; Filovirus; VSV; Rabies Virus; Marburg Virus; Ebola Virus; Replication and Transcription; Virus Structure; Viral Pathogenesis; Epidemiology; Virus Entry; Virus Assembly and Budding; Cytopathogenesis; Neuronal Tracers; Viral Vectors; Oncolytic Viruses; Evolution; Emerging Viruses; Innate Immune Responses; Vaccines; Antivirals **Design Engineer's Handbook** CRC Press Student design engineers often require a "cookbook" approach to solving certain problems in mechanical engineering. With this focus on providing simplified information that is easy to retrieve, retired mechanical design engineer Keith L. Richards has written *Design Engineer's Handbook*. This book conveys the author's insights from his decades of experience in fields ranging from machine tools to aerospace. Sharing the vast knowledge and experience that has served him well in his own career, this book is specifically aimed at the student design engineer who has left full- or part-time academic studies and requires a handy reference handbook to use in practice. Full of material often left out of many academic references, this book includes important in-depth coverage of key topics, such as: Effects of fatigue and fracture in catastrophic failures Lugs and shear pins Helical compression springs Thick-walled or compound cylinders Cam and follower design Beams and torsion Limits and fits and gear systems Use of Mohr's circle in both analytical and experimental stress analysis This guide has been written not to replace established primary reference books but to provide a secondary handbook that gives student designers additional guidance. Helping readers determine the most efficiently designed and cost-effective solutions to a variety of engineering problems, this book offers a wealth of tables, graphs, and detailed design examples that will benefit new mechanical engineers from all walks. **2020 American Heart Association Guidelines For CPR and ECC Mechanical Handling of Materials Engineering Drawing And Computer Graphics (For Wbut)** Pearson Education India **Environmental Engineering** McGraw-Hill Publishing Company **Blackboard Drawing** Alpha Edition Blackboard Drawing, is many of the old books which have been considered important throughout the human history. They are now extremely scarce and very expensive antique. So that this work is never forgotten we republish these books in high quality, using the original text and artwork so that they can be preserved for the present and future generations. This whole book has been reformatted, retyped and designed. These books are not made of scanned copies of their original work and hence the text is clear and readable. **Textbook of Thermal Engineering Drawing Portraits Faces and Figures** Search Press Ltd Provides instructions on the art of portrait drawing. **Engineering Physics** Engineering Physics is designed as a textbook for first year undergraduate engineering students. The book comprehensively covers all relevant and important topics in a simple and lucid manner. It explains the principles as well as the applications of a given topic using numerous solved examples and self-explanatory figures.