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Engineering Graphics (For 1st Year of GTU, Ahmedabad) Waveland PressInc
This book gathers selected papers presented at the Second International Conference on Intelligent Manufacturing and Automation (ICIMA 2020), which was jointly organized by the Departments of Mechanical Engineering and Production Engineering at Dwarkadas J. Sanghvi College of Engineering (DJSCE), Mumbai, and by the Indian Society of Manufacturing Engineers (ISME). Covering a range of topics in intelligent manufacturing, automation, advanced materials and design, it focuses on the latest advances in e.g. CAD/CAM/CAE/CIM/FMS in manufacturing, artificial intelligence in manufacturing, IoT in manufacturing, product design & development, DFM/DFA/FMEA, MEMS & nanotechnology, rapid prototyping, computational techniques, nano- & micro-machining, sustainable manufacturing, industrial engineering, manufacturing process management, modelling & optimization techniques, CRM, MRP & ERP, green, lean & agile manufacturing, logistics & supply chain management, quality assurance & environmental protection, advanced material processing & characterization of composite & smart materials. The book is intended as a reference guide for future researchers, and as a valuable resource for students in graduate and doctoral

programmes.

Target NTSE Class 10 Stage 1 & 2 Solved Papers (2010- 18) + 5 Mock Tests (MAT + LCT + SAT) 5th Edition EDURISE PUBLICATION

A Textbook of Engineering Mechanics is a must-buy for all students of engineering as it is a lucidly written textbook on the subject with crisp conceptual explanations aided with simple to understand examples. Important concepts such as Moments and their applications, Inertia, Motion (Laws, Harmony and Connected Bodies), Kinetics of Motion of Rotation as well as Work, Power and Energy are explained with ease for the learner to really grasp the subject in its entirety. A book which has seen, foreseen and incorporated changes in the subject for 50 years, it continues to be one of the most sought after texts by the students. **Cavitation Reaction Engineering** IGI Global This publication deals with the language of engineers, i.e., Engineering Graphics. It is based on the syllabus of Gujarat Technological University and also useful for the students of other Indian Universities and the Technical Examination Boards of Various States. In this revised edition, a new scetion, ' Additional Problems' is given at last

S. Chand's Applied Chemistry Volume - 1 (For 1st Semester of Mumbai University) S. Chand Publishing This book comprises select papers presented at the conference on Technology Innovation in Mechanical Engineering (TIME-2021). The book discusses the latest innovation and advanced research in the diverse field of Mechanical Engineering such as materials, manufacturing processes, evaluation of materials properties for the application in automotive, aerospace, marine, locomotive and energy sectors. The topics covered include advanced metal forming, Energy Efficient systems, Material Characterization, Advanced metal forming, bending, welding & casting techniques, Composite and Polymer Manufacturing, Intermetallics, Future generation materials, Laser Based Manufacturing, High-Energy Beam Processing, Nano materials, Smart Material, Super Alloys, Powder Metallurgy and Ceramic Forming, Aerodynamics, Biological Heat & Mass Transfer, Combustion & Propulsion, Cryogenics, Fire Dynamics, Refrigeration & Air Conditioning, Sensors and Transducers, Turbulent Flows, Reactive Flows, Numerical Heat Transfer, Phase Change Materials, Micro- and Nano-scale Transport, Multi-phase Flows, Nuclear & Space Applications, Flexible Manufacturing Technology & System, Non-Traditional Machining processes, Structural Strength and Robustness, Vibration, Noise Analysis and Control, Tribology. In addition, it discusses industrial applications and cover theoretical and analytical methods, numerical simulations and experimental techniques in the area of Mechanical Engineering. The book will be helpful for academics, including graduate students and researchers, as well as professionals interested in interdisciplinary topics in the areas of materials, manufacturing, and energy sectors. *S. Chand's Applied Chemistry Volume - 2 (For 2nd Semester of Mumbai University)* Disha Publications Leveraging Artificial Intelligence in Global Epidemics provides readers with a detailed technical description of the role Artificial

Intelligence plays in various stages of a disease outbreak, using COVID-19 as a case study. In the fight against epidemics, medical staff are on the front line; but behind the lines the battle is fought by researchers, and data scientists. Artificial Intelligence has been helping researchers with computer modeling and simulation for predictions about disease progression, the overall economic situation, tax incomes and population development. In the same manner, AI can prepare researchers for any emergency situation by backing the medical science. Artificial Intelligence plays a key and cutting-edge role in the preparedness for and dealing with the outbreak of global epidemics. It can help researchers analyze global data about known viruses to predict the patterns of the next pandemic and the impacts it will have. Not only prediction, AI plays an increasingly important role in assessing readiness, early detection, identification of patients, generating recommendations, situation awareness and more. It is up to the right input and the innovative ways by humans to leverage what AI can do. As COVID-19 has grabbed the world and its economy today, an analysis of the COVID-19 outbreak and the global responses and analytics will pay a long way in preparing humanity for such future situations. Provides readers with understanding of how Artificial Intelligence can be applied to the prediction, forecasting, detection, and testing of global epidemics, using COVID-19 and other recent epidemics such as Ebola, Corona viruses, Zika, influenza, Dengue, Chikungaya, and malaria as case studies Includes background material regarding readiness for coping with epidemics, including Machine Learning models for prediction of epidemic outbreaks based on existing data Includes technical coverage of key topics such as generating recommendations to combat outbreaks, genome sequencing, AI-assisted testing, AI-assisted contact tracing, situation awareness and combating disinformation, and the role of Artificial Intelligence and Machine Learning in drug discovery, vaccine development, and drug re-purposing

Problems and Solutions in Engineering Mechanics Springer Science & Business Media

This book aims to provide a complete coverage of topics to meet the needs of first year undergraduate engineering students as per revised syllabus of Mumbai University. It enables students to develop an understanding of the basic concepts of the theory. All topics are written in easy language and are put point wise. For most of the students solving numerical is big problems, this difficulty is simplified by including several solved numerical in every chapter. Author's long experience in teaching the subject will ensure that the book will enthuse the students to assimilate the basic understanding of engineering physics and help them understand the concepts of various branches of engineering in the higher semesters. Key Features • Complete coverage of revised syllabus • Numerous solved examples • Previous years university questions included • Simple diagrams and easy language

A Textbook of Strength of Materials Springer Science & Business Media

Water And Its Industrial Applications | Fuels And Combustion | Lubricants | Cement And Refractories| Polymers | Instrumental Techniques In Chemical Analysis | Water Analysis Techniques | Question Bank

Network Security S. Chand Publishing

This book aims to provide a complete coverage of topics to meet the needs of first year undergraduate engineering students as per revised syllabus of Mumbai University. It enables students to develop an understanding of the basic concepts of the theory. All topics are written in easy language and are put point wise. For most of the students solving numerical is big problems, this difficulty is simplified by including several solved numerical in

every chapter. Author's long experience in teaching the subject will ensure that the book will enthuse the students to assimilate the basic understanding of engineering physics and help them understand the concepts of various branches of engineering in the higher semesters. Key Features • Complete coverage of revised syllabus • Numerous solved examples • Previous years university questions included • Simple diagrams and easy language *Errorless BPSC 15 Year-wise General Studies Prelim Solved Paper 1 (1994-2019)* Disha Publications A unique overview of network security issues, solutions, and methodologies at an architectural and research level Network Security provides the latest research and addresses likely future developments in network security protocols, architectures, policy, and implementations. It covers a wide range of topics dealing with network security, including secure routing, designing firewalls, mobile agent security, Bluetooth security, wireless sensor networks, securing digital content, and much more. Leading authorities in the field provide reliable information on the current state of security protocols, architectures, implementations, and policies. Contributors analyze research activities, proposals, trends, and state-of-the-art aspects of security and provide expert insights into the future of the industry. Complete with strategies for implementing security mechanisms and techniques, Network Security features: * State-of-the-art technologies not covered in other books, such as Denial of Service (DoS) and Distributed Denial-of-Service (DDoS) attacks and countermeasures * Problems and solutions for a wide range of network technologies, from fixed point to mobile * Methodologies for real-time and non-

real-time applications and protocols

Basic of Engineering Chemistry (For RGPV, Bhopal) Disha Publications
Faced with increased budget cuts, libraries must continue to advance their services through new technologies and practices in order to keep pace with the rapid changes society is currently facing. The once traditional in-person services offered can no longer be the only option, and to keep themselves afloat, libraries must offer more in terms of digital services. The convenience of offering mobile and digital services brings a new wave of accessibility to libraries and a new question on just how much libraries will need to change to meet the newfound needs of its patrons. Beyond offering these digital services, libraries are incorporating other types of technology in multifaceted ways such as utilizing artificial intelligence practices, social media, and big data management. Moreover, libraries are increasingly looking for ways to partner and collaborate with the community, faculty, students, and other libraries in order to keep abreast of the best practices and needs of their users. The Research Anthology on Collaboration, Digital Services, and Resource Management for the Sustainability of Libraries explores emerging strategies and technologies that are redefining the role of the library within communities and academia. This reference book covers extensive ground on all the ways libraries have shifted to manage their resources, digitalize their services, and market themselves within the new technological revolution. These continued shifts for libraries come with benefits, challenges, and future projections that are critical for discussion as libraries continue to strive to remain updated and relevant in times of change. This book is ideal for librarians, archivists, collection managers, IT specialists, electronic resource librarians, practitioners, stakeholders, researchers, academicians, and students who are interested in the current state of libraries and how

they are transforming to fit modern needs.

Two Years Maharashtra Civil Services Mains General Studies Solved Papers 1 to 4 (2018 - 2019) with detailed Explanations Springer Nature Problem Solving Is A Vital Requirement For Any Aspiring Engineer. This Book Aims To Develop This Ability In Students By Explaining The Basic Principles Of Mechanics Through A Series Of Graded Problems And Their Solutions.Each Chapter Begins With A Quick Discussion Of The Basic Concepts And Principles. It Then Provides Several Well Developed Solved Examples Which Illustrate The Various Dimensions Of The Concept Under Discussion. A Set Of Practice Problems Is Also Included To Encourage The Student To Test His Mastery Over The Subject.The Book Would Serve As An Excellent Text For Both Degree And Diploma Students Of All Engineering Disciplines. Amie Candidates Would Also Find It Most Useful.

Database Management System (For Computer Engineering, University of Mumbai) S. Chand Publishing
This book provides a cohesive introduction to much of the vast body of knowledge central to the problems of communication engineering.

ICCS21 Disha Publications
This Book Has Been Written Strictly According To The Latest Syllabus Prescribed By U.P. Technical University, Lucknow For Undergraduate Students Of Electronics & Communication Engineering. Its First Chapter Discusses The Microwave Propagation Through Waveguides. The Second Chapter Describes Microwave Cavity Resonators. Third Chapter Deals With Microwave Components. Chapter Four Explains Various Microwave Measurements.The Chapter Five Discusses Limitations Of Conventional Active Devices At Microwave Frequencies And Introduces Various Microwave Tubes And Their Classification. Chapter Six Is Divided Into Three 6A, 6B & 6C And Discusses O- Type (6A, 6B) And M-Type (6C) Tubes. Microwave Semiconductor Devices Have Been Discussed In Chapters Seven To Nine. Microwaves And Their Applications Are Described In An Introduction. Authors Have Taken Special Care In Keeping A Balance Between Mathematical And Physical Approach. Large Number Of Illustrative Diagrams Have Been Incorporated. A Good Number Of Solved Problems, Picture From University Examination Papers, Have Been Included For Reinforcing The Key Concepts.

Mechanical and Electronics Engineering Disha Publications
Helping students conquer the fear of competitive exams for many years, Edurise Publication brings to you the backbone of First Stage CBT JE exam preparation: RRB JE 2019 Previous Year Solved Papers. Designed with the vision of considerably simplifying the student's exam preparation strategy, the book is a must-have before/with any guide, reference book or practice papers. It contains 18 Previous Year Original Solved Papers [Junior Engineer-16 Sets, JE (IT)-1 Set, Chemical & Metallurgical Assistant-1 Set] which will help the student understand the level and patterns of questions asked in previous J.E. exams, enabling them to focus on key target areas, topics and questions. Smooth & step by step explanations are provided for all questions curated from student's point of view, making the understanding and solving process completely hassle free. 2700 questions to boost confidence, from topics: Mathematics, Reasoning, General Awareness, General Science (Physics, Chemistry and Biology), Basics of Computer Applications, Basics of Environmental & Pollution Control and Technical Abilities (Civil Engineering, Mechanical Engineering, Electronics and Communication Engineering, Electrical Engineering, Information

Technology, Chemical and Metallurgy Engineering)

NTA UGC NET Paper 1 Topic-wise 52 Solved Papers (2020 to 2004) 2nd Edition Chandresh Agrawal

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Applied Chemistry Vol-2

Computing and Communications Engineering in Real-Time Application Development IGI Global

"Strength of Materials: Mechanics of Solids in SI Units" is an all-inclusive text for students as it takes a detailed look at all concepts of the subject. Distributed evenly in 35 chapters, important focusses are laid on stresses, strains, inertia, force, beams, joints and shells amongst others. Each chapter contains numerous solved examples supported by exercises and chapter-end questions which aid to the understanding of the concepts explained. A book which has seen, foreseen and incorporated changes in the subject for close to 50 years, it continues to be one of the most sought after texts by the students for all aspects of the subject.

Applied Physics I (University of Mumbai) Academic Press

The 5th Edition of the book Target NTSE Class 10 Stage 1 & 2 Solved Papers (2010 - 18) + 5 Mock Tests (MAT + LCT + SAT) has 3 parts. Part 1 consists of past 9 years Solved papers of Stage 2 (2010 -2018). Part 2 consists of "PAST EXEMPLAR PROBLEMS' for SAT, MAT & LCT from 2012-17. This section contains a compilation of selective questions from the past papers of NTSE Stage 1 (2012-2017) of various states Delhi, Andhra Pradesh, Karnataka, Madhya Pradesh, Orissa, Punjab, West Bengal, Rajasthan, Maharashtra. The Part 3 provides 5 MOCK TESTS - separate papers for MAT, SAT & LCT designed exactly on the pattern of the NTSE 1st (2 Mocks) and 2nd stage (3 Mocks) Exam.

Textbook of Strength of Materials [Concise Edition] Problems and Solutions in Engineering Mechanics

30 Solved Papers of UGC NET Paper 1 Exam (2004 - 2018) consists of past years (authentic) solved papers from 2018 Phase II to 2004 Phase II. The solutions have been prepared after a thorough research. The book contains 1700+ questions of 10 Units as prescribed in the UGC syllabus. The detailed solutions are provided immediately after each paper. The book is also useful for SET (JRF & Asst. Professor).

Proceedings of International Conference on Intelligent Manufacturing and Automation Disha Publications

SGN.The Ebook MUCMET Mumbai University Common Management Entrance Test Covers All Sections Of The Exam.