

Rgpv Question Paper 2014

This work features presentations by international experts on mine environment and ventilation. Topics covered include analysis and design of ventilation systems, coal bed methane and gas modelling, dust generation and control, and heat flow, fan and face ventilation.

Basic Engineering Mathematics Volume - I (For 1st Semester of RGPV, Bhopal)S. Chand Publishing

Focusing on the practical issues which need to be addressed by anyone involved in library design, here Ken Worpole offers his renowned expertise to architects, planners, library professionals, students, local government officers and members interested in creating and sustaining successful library buildings and services. Contemporary Library Architecture: A Planning and Design Guide features: a brief history of library architecture an account of some of the most distinctive new library designs of the 20th & 21st centuries an outline of the process for developing a successful brief and establishing a project management team a delineation of the commissioning process practical advice on how to deal with vital elements such as public accessibility, stock-holding, ICT, back office functions, children's services, co-location with other services such as learning centres and tourist & information services an sustainability in depth case studies from around the world, including public and academic libraries from the UK, Europe and the US full colour illustrations throughout, showing technical details and photographs. This book is the ultimate guide for anyone approaching library design.

Covering the latest advances in the use of plants to produce medicinal drugs and vaccines, examines topics including plant tissue culture, secondary metabolite production, metabolomics and metabolic engineering, bioinformatics, molecular farming and future biotechnological directions.

Pharmaceutical Biotechnology

Mine Environment and Ventilation

Basic of Engineering Mathematics Vol-II (RGPV Bhopal) M.P.

hydrology

Basic Engineering Mathematics Volume - I (For 1st Semester of RGPV, Bhopal)

This book provides up-to-date information on bioinformatics tools for the discovery and development of new drug molecules. It discusses a range of computational applications, including three-dimensional modeling of protein structures, protein-ligand docking, and molecular dynamics simulation of protein-ligand complexes for identifying desirable drug candidates. It also explores computational approaches for identifying potential drug targets and for pharmacophore modeling. Moreover, it presents structure- and ligand-based drug design tools to optimize known drugs and guide the design of new molecules. The book also describes methods for identifying small-molecule binding pockets in proteins, and summarizes the databases used to explore the essential properties of drugs, drug-like small molecules and their targets. In addition, the book highlights various tools to predict the absorption, distribution, metabolism, excretion (ADME) and toxicity (T) of potential drug candidates. Lastly, it reviews *in silico* tools that can facilitate vaccine design and discusses their limitations.

I-Dispensing Pharmacy - II-Dispensed Medications - a-Monophasic Liquid Dosage Forms - b-Biphasic Liquid Dosage Forms - c- Semi-solid Dosage Forms - III - Sterile Dosage Forms

Unique prospective on the big data analytics phenomenon for both business and IT professionals The availability of Big Data, low-cost commodity hardware and new information management and analytics software has produced a unique moment in the history of business. The convergence of these trends means that we have the capabilities required to analyze astonishing data sets quickly and cost-effectively for the first time in history. These capabilities are neither theoretical nor trivial.

They represent a genuine leap forward and a clear opportunity to realize enormous gains in terms of efficiency, productivity, revenue and profitability. The Age of Big Data is here, and these are truly revolutionary times. This timely book looks at cutting-edge companies supporting an exciting new generation of business analytics. Learn more about the trends in big data and how they are impacting the business world (Risk, Marketing, Healthcare, Financial Services, etc.) Explains this new technology and how companies can use them effectively to gather the data that they need and glean critical insights Explores relevant topics such as data privacy, data visualization, unstructured data, crowd sourcing data scientists, cloud computing for big data, and much more.

This book presents a selection of revised and extended versions of the best papers from the First International Conference on Social Networking and Computational Intelligence (SCI-2018), held in Bhopal, India, from October 5 to 6, 2018. It discusses recent advances in scientific developments and applications in these areas.

Pharmaceutical Packaging Technology

Basic Mechanical Engineering

Design Data Handbook for Mechanical

Medicinal Plant Biotechnology

GATE Computer Science and Information Technology

Basic Engineering Mathematics Volume

This book provides some recent advances in design nanometer VLSI chips. The selected topics try to present some open problems and challenges with important topics ranging from design tools, new post-silicon devices, GPU-based parallel computing, emerging 3D integration, and antenna design. The book consists of two parts, with chapters such as: VLSI design for multi-sensor smart systems on a chip, Three-dimensional integrated circuits design for thousand-core processors, Parallel symbolic analysis of large analog circuits on GPU platforms, Algorithms for CAD tools VLSI design, A multilevel memetic algorithm for large SAT-encoded problems, etc.

This is a concise presentation of the concepts underlying the design of digital communication systems, without the detail that can overwhelm students. Many examples, from the basic to the cutting-edge, show how the theory is used in the design of modern systems and the relevance of this theory will motivate students. The theory is supported by practical algorithms so that the student can perform computations and simulations. Leading edge topics in coding and wireless communication make this an ideal text for students taking just one course on the subject. Fundamentals of Digital Communications has coverage of turbo and LDPC codes in sufficient detail and clarity to enable hands-on implementation and performance evaluation, as well as 'just enough' information theory to enable computation of performance benchmarks to compare them against. Other unique features include space-time communication and geometric insights into noncoherent communication and equalization.

For B.E. First Year Semester II (All Branches). Strictly According To The Syllabus Of Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal (M.P.)

Oswaal CBSE One for All, Science, Class 9 (Reduced Syllabus) (For 2021 Exam)

Data Structures and Algorithm Analysis in Java, Third Edition

Fundamentals of Digital Communication

Advances in Pharmaceutical Biotechnology

Recent Progress and Future Applications

Pharmaceutical packaging requires a greater knowledge of materials and a greater intensity of testing than most other packed products, not to mention a sound knowledge of pharmaceutical products and an understanding of regulatory requirements. Structured to meet the needs of the global market, this volume provides an assessment of a wide range of issues. It covers the entire supply chain from conversion of raw materials into packaging materials and then assembled into product packs. Integrating information from many drug delivery systems, the author discusses testing and evaluation and emphasizes traceability and the need to for additional safeguards.

This book has been prepared by a group of faculties who are highly experienced in training GATE candidates and are also subject matter experts. As a result this book would serve as a one-stop solution for any GATE aspirant to crack the examination. the book is divided into three parts covering, (1) General Aptitude, (2) Engineering Mathematics and (3) Computer Science and Information Technology. Coverage is as per the syllabus prescribed for GATE and topics are handled in a comprehensive manner beginning from the basics and progressing in a step-by-step manner supported by ample number of solved and unsolved problems. Extra care has been taken to present the content in a modular and systematic manner to facilitate easy understanding of all topics.

"Engage- Introduceinteresting content enabling better assimilation of concepts • Explore- Provide meaningful insights into various typologies and methodologies for effective exam preparation • Explain- Give better clarification for concepts and theories • Elaborate-

Complement studying with ample examples and Oswaal exam tools • Evaluate- Conclude with Effective self assessment tools"

This book describes the concepts and mechanism of compiler design. The goal of this book is to make the students experts in compiler's working principle, program execution and error detection.This book is modularized on the six phases of the compiler namely lexical analysis, syntax analysis and semantic analysis which comprise the analysis phase and the intermediate code generator, code optimizer and code generator which are used to optimize the coding. Any program efficiency can be provided through our optimization phases when it is translated for source program to target program. To be useful, a textbook on compiler design must be accessible to students without technical backgrounds while still providing substance comprehensive enough to challenge more experienced readers. This text is written with this new mix of students in mind. Students should have some knowledge of intermediate programming, including such topics as system software, operating system and theory of computation.

GATE Chemistry (Compulsory Paper)

Contemporary Library Architecture

Basics of Engineering Mathematics Vol-I (RGPV Bhopal)

ICSE Biology Book-II For Class-X

Emerging Business Intelligence and Analytic Trends for Today's Businesses

The goal of machine learning is to program computers to use example data or past experience to solve a given problem. Many successful applications of machine learning exist already, including systems that analyze past sales data to predict customer behavior, optimize robot behavior so that a task can be completed using minimum resources, and extract knowledge from bioinformatics data. Introduction to Machine Learning is a comprehensive textbook on the subject, covering a broad array of topics not usually included in introductory machine learning texts. Subjects include supervised learning; Bayesian decision theory; parametric, semi-parametric, and nonparametric methods; multivariate analysis; hidden Markov models; reinforcement learning; kernel machines; graphical models; Bayesian estimation; and statistical testing.Machine learning is rapidly becoming a skill that computer science students must master before graduation. The third edition of Introduction to Machine Learning reflects this shift, with added support for beginners, including selected solutions for exercises and additional example data sets (with code available online). Other substantial changes include discussions of outlier detection; ranking algorithms for perceptrons and support vector machines; matrix decomposition and spectral methods; distance estimation; new kernel algorithms; deep learning in multilayered perceptrons; and the nonparametric approach to Bayesian methods. All learning algorithms are explained so that students can easily move from the equations in the book to a computer program. The book can be used by both advanced undergraduates and graduate students. It will also be of interest to professionals who are concerned with the application of machine learning methods.

This book aims to meet the needs of education and training in modern techniques of innovation and entrepreneurship, and focuses on the detailed presentation of successful business practices. As today's global economic landscape is changing rapidly, the ability of businesses to introduce new products and services to the market faster than their competitors is perhaps their most distinct competitive advantage. This becomes obvious by the significant market share that the most innovative companies gain while increasing profitability. Extensive research in this field has demonstrated that companies that are constantly innovating normally double their profits compared to others. Moreover, establishing successful practices and policies of innovation management, through which ideas evolve from conception through evaluation to implementation and commercialization, become the basis for economic growth at the firm, industry, national, regional, and global levels. Taking Greece as an example, this volume identifies systemic weaknesses in development of new products, risk capital, patenting, broadband penetration, lifelong training, investment in research on the part of firms, high-tech exports, and employment in medium-high-technology manufacturing that place the country at the bottom of the European Union in economic performance and threaten its potential to achieve sustainable growth. To address these weaknesses in Greece and similar countries around the world, the authors present a comprehensive overview of the principles of innovation and entrepreneurship, with particular respect to their relationships to knowledge, learning, and creativity. Drawing from a strong theoretical foundation, and illustrated through in-depth case studies and examples from both private and public sectors, the authors present a framework for innovation management that integrates research, education, practical application, and policy. Specific topics include technology transfer, intellectual property rights management, the practice of knowledge management intellectual capital investment, business incubators, and Cooperation Research and Development Agreements (CRADAs).

Population, exuberant growth of urbanization, decline of cultivable lands, growing number of vehicle on the roads, deforestation, industrialization, changing pattern of consumption and exploitation of natural recourses by human activities have all threatened our basic survival on earth. In order to protect our globe from the environmental degradation, it is necessary to know the various factors by all human being. This book is written to provide a clear and authoritative introduction to the subject of Energy, Environment, Ecology and Society. Salient Features Presentation of the material in lucid manner Distinctive coverage on all Energy Resources Presentation of suitable illustrations with clear diagrams Review questions are given in each chapter

Changes and additions to the new edition of this classic textbook include a new chapter on symmetries, new problems and examples, improved explanations, more numerical problems to be worked on a computer, new applications to solid state physics, and consolidated treatment of time-dependent potentials.

Computer-Aided Drug Design

Carbon Dioxide and Climate

Big Data, Big Analytics

A TEXTBOOK OF ENGINEERING CHEMISTRY

Electromagnetic Interference and Compatibility

Well-labelled illustrations, diagrams, tables, figures and experiments have been given to support the text, wherever necessary. At the end of each chapter, Key Terms have been given. A variety of Review Questions, according to the latest examination pattern, has been provided for adequate practice.

Recent progress in the fields of Electrical and Electronic Engineering has created new application scenarios and new Electromagnetic Compatibility (EMC) challenges, along with novel tools and methodologies to address them. This volume, which collects the contributions published in the "Electromagnetic Interference and Compatibility" Special Issue of MDPI Electronics, provides a vivid picture of current research trends and new developments in the rapidly evolving, broad area of EMC, including contributions on EMC issues in digital communications, power electronics, and analog integrated circuits and sensors, along with signal and power integrity and electromagnetic interference (EMI) suppression properties of materials.

Any good text book, particularly that in the fast changing fields such as engineering & technology, is not only expected to cater to the current curricular requirements of various institutions but also should provide a glimpse towards the latest developments in the concerned subject and the relevant disciplines. It should guide the periodic review and updating of the curriculum.

For B.E. First year Semester I (all branches) strictly according to the syllabus of Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal (M.P.) and all Engineering Colleges affiliated to Ravi Shankar University, Raipur (Chattisgarh)

PRINCIPLES OF COMPILER DESIGN

Basic of Engineering Chemistry (For RGPV, Bhopal)

GATE 2021 - Guide - General Aptitude

Screening Methods in Pharmacology

Introduction to Machine Learning

Engineering Mathematics (Conventional and Objective Type) completely covers the subject of Engineering Mathematics for engineering students (as per AICTE) as well as engineering entrance exams such as GATE, IES, IAS and Engineering Services Exams. Though a first edition, the book is enriched by 50 years of Academics and professional experience of the Author(s) and the experience of more than 85 published books.

Introduction. Centrak Nervous System Stimulants. Antidepressants and Antinxiety Agent (Anxiolytic). Antipsychotic Agents and Hallucinogens. General Anaesthetics. Hypnotics and Sedatives. Skeletal Muscle Relaxants. Tranquilizing Agents. Anticonvulsant Drugs. Analgesics (Narcotics). Anypertic Analgesics. Nonsteroidal Anti- Inflammatory Agents. Adrenergic Agents. Adrenergic Blocking Agents. Cardiovascular Agents. Histamines & Antihistaminic Agents. antitussives & Expectorants. Coagulants and Anticoagulants

This book explains both the basic science and the applications of biotechnology-derived pharmaceuticals, with special emphasis on their clinical uses. The foundations of pharmaceutical biotechnology lie mainly in the capability of plants, microorganism, and animals to produce low and high molecular weight compounds useful as therapeutics. Pharmaceutical biotechnology has flourished since the advent of recombinant DNA technology and metabolic engineering, supported by the well-developed bioprocess technology. A large number of monoclonal antibodies and therapeutic proteins have been approved, delivering meaningful contributions to patients' lives, and the techniques of biotechnology are also a driving force in modern drug discovery. Due to this rapid growth in the importance of biopharmaceuticals and the techniques of biotechnologies to modern medicine and the life sciences, the field of pharmaceutical biotechnology has become an increasingly important component in the education of pharmacists and pharmaceutical scientists. This book will serve as a complete one-stop source on the subject for undergraduate and graduate pharmacists, pharmaceutical science students, and pharmaceutical scientists in industry and academia.

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

Engineering Mathematics

A Planning and Design Guide

National Engineering Handbook

Comprehensive treatment focuses on creation of efficient data structures and algorithms and selection or design of data structure best suited to specific problems. This edition uses Java as the programming language.

Screening Methods in Pharmacology, Volume II is a collection of papers that presents practical techniques and information on the selection of a screening program for a particular pharmacological activity. The book contains the most reliable, simplest, and the most preferred screening methods in pharmacology. The text presents screening methods for alpha and beta Adrenergic blocking agents; compounds for antianginal activity; topical products for excessive eccrine sweating; antidepressant agents; and agents with analgesic and analgesic antagonist activity. Pharmacologists, pharmacists, researchers, and physicians will find this book a good source of information.

Pharmaceutical Biotechnology is a unique compilation of reviews addressing frontiers in biologicals as a rich source for innovative medicines. This book fulfills the needs of a broad community of scientists interested in biologicals from diverse perspectives—basic research, biotechnology, protein engineering, protein delivery, medicines, pharmaceuticals and vaccinology. The diverse topics range from advanced biotechnologies aimed to introduce novel, potent engineered vaccines of unprecedented efficacy and safety for a wide scope of human diseases to natural products, small peptides and polypeptides engineered for discrete prophylaxis and therapeutic purposes. Modern biologicals promise to dramatically expand the scope of preventive medicine beyond the infectious disease arena into broad applications in immune and cancer treatment, as exemplified by anti-EGFR receptors antibodies for the treatment of breast cancer. The exponential growth in biologicals such as engineered proteins and vaccines has been boosted by unprecedented scientific breakthroughs made in the past decades culminating in an in-depth fundamental understanding of the scientific underpinnings of immune mechanisms together with knowledge of protein and peptide scaffolds that can be deliberately manipulated. This has in turn led to new strategies and processes. Deciphering the human, mammalian and numerous pathogens' genomes provides opportunities that never before have been available—identification of discrete antigens (genomes and antigenomes) that lend themselves to considerably improved antigens and monoclonal antibodies, which with more sophisticated engineered adjuvants and agonists of pattern recognition receptors present in immune cells, deliver unprecedented safety and efficacy. Technological development such as nanobiotechnologies (dendrimers, nanobodies and fullerenes), biological particles (viral-like particles and bacterial ghosts) and innovative vectors (replication-competent attenuated, replication-incompetent recombinant and defective helper-dependent vectors) fulfill a broad range of cutting-edge research, drug discovery and delivery applications. Most recent examples of breakthrough biologicals include the human papilloma virus vaccine (HPV, prevention of women genital cancer) and the multivalent Pneumococcal vaccines, which has virtually eradicated in some populations a most prevalent bacterial ear infection (i.e., otitis media). It is expected that in the years to come similar success will be obtained in the development of vaccines for diseases which still represent major threats for human health, such as AIDS, as well as for the generation of improved vaccines against diseases like pandemic flu for which vaccines are currently available. Furthermore, advances in comparative immunology and innate immunity revealed opportunities for innovative strategies for ever smaller biologicals and vaccines derived from species such as llama and sharks, which carry tremendous potential for innovative biologicals already in development stages in many pharmaceutical companies. Such recent discoveries and knowledge exploitations hold the promise for breakthrough biologicals, with the coming decade. Finally, this book caters to individuals not directly engaged in the pharmaceutical drug discovery process via a chapter outlining discovery, preclinical development, clinical development and translational medicine issues that are critical the drug development process. The authors and editors hope that this compilation of reviews will help readers rapidly and completely update knowledge and understanding of the frontiers in pharmaceutical biotechnologies. In our endeavor to reinforce and emphasize the benefits of modern industrial design course to many students across India we are bringing on a small edition of this book titled "Concepts in Engineering Design". The subtlety of creation with problem solving approach is needed to be deeply ingrained into the vast diaspora of Indian students; especially with emphasis of government on make in India, start up India and zero effect zero defect projects. It is abundantly clear that classroom teaching has to be up scaled with practical approach and industrial reasoning. So the takeaway from this course to students, researchers and professional after the course should be engineering with a systems approach, involvement of design development as a team, integration of several streams of learning like environmental, physiology etc. into the Concept of Engineering Design. We wish we are in some manner involved in changing their outlook from classic learning to professional learning involving them into project based activity, case studies, resourceful learning etc. They become agents of change for future generations and they grasp the fact that they can become professional designers and not merely subservient engineers. Good luck. "The primary objective of the course is to introduce concepts in engineering design to students from all the engineering disciplines. This course broadly covers the prerequisites for an innovative design followed by concepts of products design cycle right from planning, designing, manufacturing, distributing and its usage."-RGPV
Innovation and Entrepreneurship
Theory, Policy and Practice
Pharmaceutics-II
Basic Computer Engineering Precise
VLSI Design