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MPSC-Maharashtra PSI-STI-ASO Preliminary Exam By Dr Chandresh Agrawal Springer This introduction to the fundamental concepts and methodologies of image processing is suitable for first-year postgraduate and senior undergraduate students in almost every engineering discipline, and in particular meets the requirement of the prescribed courses in the streams: Electronics and Communication, Computer Science and Engineering, Information Technology, and Computer Applications. The book, now in its second edition, continues to offer a balanced exposition of the basic principles and applications of image processing. It lays considerable emphasis on the algorithmic approach in order to teach students how to write good practical programs for problem solving. Major topics covered in the book include Image fundamentals, Different image transforms, Image enhancement in the spatial and frequency domains, Restoration, Image analysis, Image description, Image compression, Image reconstruction from projections, and Applications of image processing in the areas of biometrics, speaker recognition, satellite imaging, medical imaging, and many more. The style of presentation is comprehensive and application oriented, comprising examples, diagrams, image results, case studies of applications, and review questions—making it easy for students to understand key ideas, their practical relevance and applications. NEW TO THIS EDITION • Object representation, recognition and classification • MATLAB programs for image processing • OpenCV programs for image processing Six Minutes of Terror Springer Nature The F-EIR Conference 2021 – Environment

Concerns and its Remediation was held on 18–22 October in Chandigarh, India. The event was aimed to bring research professionals from multi-disciplinary fields to cross established sub-disciplinary divides, encouraging the exchange of ideas between scientists, engineering professionals, architects, environmental scientists, academicians, economists, and students. The conference focussed on the most interesting and relevant critical thinking on environmental issues with a wide array of quality technical presentations. Over 400 abstracts and 300 full papers were received by the Organizing Committees, and about 140 paper were finally accepted for presentation in 27 sessions of F-EIR Conference 2021. These papers were presented by world renowned experts from 30 countries during the event. The abstracts of papers presented are published in Volume of Abstracts, and the online proceedings contains all the accepted papers including 10 keynote lectures. Some selected papers will appear in the Science of the Total Environment, an Elsevier journal having Impact Factor 7.963, Environmental Science and Pollution Research a European Chemical Society's journal published by Springer journal having Impact Factor 4.223, Sustainability a MDPI journal having impact factor 3.251, Macromolecular Symposia a Wiley journal, Materials Today Proceedings an Elsevier journal, Lecture Notes in Civil Engineering a Springer bookseries and book volume in Springer.

Engineering Mathematics Chandresh Agrawal
SGN.The Ebook Maharashtra B.Ed.-CET (2Years) Covers All Sections Of The Exam.

Innovative Firms in Emerging Market Countries MEHTA PUBLISHING HOUSE
This two-volume book contains research work presented at the First International Conference on Data Engineering and Communication Technology (ICDECT) held during March 10-11, 2016 at Lavasa, Pune, Maharashtra, India. The book discusses recent research technologies and applications in the field of Computer Science, Electrical and Electronics Engineering. The aim of the Proceedings is to provide cutting-edge developments taking place in the field data engineering and communication technologies which will assist the researchers and practitioners from both academia as well as industry to advance their field of study.

Dalit Women's Education in Modern India Cambridge Scholars Publishing
This book discusses the basic ideas, underlying principles, mathematical formulations, analysis and applications of the different combinatorial problems under uncertainty and attempts to provide solutions for the same. Uncertainty influences the behaviour of the market to a great extent. Global pandemics and calamities are other factors which affect and augment unpredictability in the market. The intent of this book is to develop mathematical structures for different aspects of allocation problems depicting real life scenarios. The novel methods which are incorporated in practical scenarios under uncertain circumstances include the STAR heuristic approach, Matrix geometric method, Ranking function and Pythagorean fuzzy numbers, to name a few. Distinct problems which are considered in this book under uncertainty include scheduling, cyclic bottleneck assignment problem, bilevel transportation problem, multi-index transportation problem, retrial queuing, uncertain matrix games, optimal production evaluation of cotton in different soil and water conditions, the healthcare sector, intuitionistic fuzzy quadratic programming problem, and multi-objective optimization problem. This book may serve as a valuable reference for researchers working in the domain of optimization for solving combinatorial problems under uncertainty. The contributions of this book may further help to explore new avenues leading toward multidisciplinary research discussions.

Nanomaterials and Nanocomposites
Springer

From Eisenhower to Obama, the country has changed. Landscapes have changed, politics have changed, cars and TV's changed from American to Japanese and Chinese made. Buicks, Chevrolets and Chryslers were traded for Toyotas, Hondas, and Nissans. Starbucks redefined coffee and Tiger Woods owned the golf course. Yet the people haven't changed! They have remained the same friendly, generous, football-loving crowd that sometimes gets fooled by politicians and TV priests alike, but not for long. I changed from a scared young man landing at Pier 90 in New York to a retired grandfather who somehow succeeded in planting both of his feet firmly, one in the U.S. and the other in his birthplace, India. My notion of being American also changed, from the John Wayne and Esther Williams images seen in Sunday matinees to a regular, life-loving, hard-working, family-first people who just don't know how to give up. Even as I travelled into an ever-shrinking world, I found that America stayed with me. Here are a few stories from over half a century of work and life in the United States and beyond - some happy, some funny and a few that may draw a tear or two from you. There's still more to come. Who knows, I may even write a sequel at 100!

The Maverick Effect Emerald Group Publishing
In its most advanced form, Integrated Computational Materials Engineering (ICME) holistically integrates manufacturing simulation, advanced materials models and component performance analysis. This volume contains thirty-five papers presented at the 1st World Congress on Integrated Computational Materials Engineering. Modeling processing-microstructure relationships, modeling microstructure-property relationships, and the role of ICME in graduate and undergraduate education are discussed. Ideal as a primary text for engineering students, this book motivates a wider understanding of the advantages and limitations offered by the various computational (and coordinated experimental) tools of this field.

DIGITAL IMAGE PROCESSING Springer Nature
This volume is a collection of scholarly papers that explore the complex issues concerning English Studies in the present Indian context. The discussions in this volume range from historical perspectives to classroom-specific pedagogies, from sociological and political hierarchies to the dynamics of intellectual development in the English language environment. Interrogating both policy and practice pertaining to English Studies in the context of Indian society, culture, history, literature and governance, the chapters seek to formulate contemporary perspectives to these debates and envision alternative possibilities. Since the introduction of English to India more than 2 centuries ago, the language has transmuted the very fabric of Indian society, culture, history, literature and governance. The idea of India cannot be conceived in its entirety without taking into consideration the epistemological role that English has played in its formation. The present globalized world order has added dimensions to English Studies which are radically different from those of India's colonial and postcolonial past. It is therefore imperative that the multitudinous shades and shadows of the discipline be re-examined with inputs drawn from the present context. This volume is for scholars and researchers of English literature and language studies, linguistics, and culture studies, and others interested in exploring new paradigms of engagement with the disciplinary formulation of English Studies

in India.

FUNDAMENTALS OF MECHANICAL ENGINEERING The Little Booktique Hub Since the introduction of Industry 5.0, there has been a greater emphasis on the human-centric view in human-machine collaboration. As society has benefitted from technological advancements in all aspects of industrial sectors, there has been a rethinking of the role human beings should play in future evolutions.

Proceedings of International Conference on Data Analytics and Insights, ICDAI 2023 Oxford University Press
The main aims of this book are to summarize the fundamentals, synthesis methods, properties and applications of nanomaterials, so as to provide readers with a systematic knowledge on nanomaterials. In addition, the book covers most commonly used characterization tools pertaining to nanomaterials. Further, it deals with relevant aspects of nanocomposites which contains dispersion of nano-sized particulates, and carbon nanotubes (CNTs) in the matrices (polymer, metal and ceramic). It also discusses development of smart nano textiles (intelligent textiles), self-cleaning glass, sensors, actuators, ferro-fluids, and wear resistant nano coatings. Aimed at senior undergraduate and graduate students, the key features on this book include: Top-down and bottom-up approaches for the synthesis of nanomaterials included Illustrates sample preparation and basic principle of characterization tools for nanomaterials Explains calculation of ratios of surface area to volume and surface atoms to bulk atoms Reviews synthesis, properties and applications of carbon nanotubes and magnetic nanomaterials Discusses size effect on thermal, mechanical, optical, magnetic and electrical properties

Intelligent Systems for Rehabilitation Engineering Educreation Publishing
This reference text presents the knowledge base of computer vision and soft computing techniques with their applications for sustainable developments. Features: ? Covers a variety of deep learning architectures useful for computer vision tasks. ? Demonstrates the use of different soft computing techniques and their applications for different computer vision tasks. ? Highlights the unified strengths of hybrid techniques based on deep learning and soft computing taken together that give the interpretable, adaptive, and optimized solution to a given problem. ? Addresses the different issues and further research opportunities in computer vision and soft computing. ? Describes all the concepts with practical examples and case studies with appropriate performance measures that validate the applicability of the respective technique to a certain domain. ? Considers recent real word problems and the prospective solutions to these problems. This book will be useful to researchers, students, faculty, and industry personnel who are eager to explore the power of deep learning and soft computing for different computer vision tasks.

Let The Scars Speak PHI Learning Pvt. Ltd. Right from its formal introduction in India in 1835, through Thomas B. Macaulay's Minute, English has been intrinsically linked with the employment prospects of Indians. During their regime, the British promoted English education to fulfil the requirement of English-knowing Indians for administrative purposes. Owing to globalization, the last few years have witnessed the opening up of thousands of lucrative job opportunities for graduates proficient in English. English has gained importance in India as the language of opportunities. In colonial India, English education was a passport to government jobs, while in the twenty-first century, proficiency in English is essential for private sector jobs. This book examines the development of curricula in English in Indian universities vis-a-vis the needs of second

language learners studying in Special English programmes of Bachelor of Arts (BA). It also reflects on how globalization has strengthened the connection between English and employment.

English Studies in India Springer Nature

This book, divided in two volumes, originates from Techno-Societal 2020: the 3rd International Conference on Advanced Technologies for Societal Applications, Maharashtra, India, that brings together faculty members of various engineering colleges to solve Indian regional relevant problems under the guidance of eminent researchers from various reputed organizations. The focus of this volume is on technologies that help develop and improve society, in particular on issues such as advanced and sustainable technologies for manufacturing processes, environment, livelihood, rural employment, agriculture, energy, transport, sanitation, water, education. This conference aims to help innovators to share their best practices or products developed to solve specific local problems which in turn may help the other researchers to take inspiration to solve problems in their region. On the other hand, technologies proposed by expert researchers may find applications in different regions. This offers a multidisciplinary platform for researchers from a broad range of disciplines of Science, Engineering and Technology for reporting innovations at different levels.

Environment Concerns and its Remediation Elsevier

SGN. The Maharashtra B.A./B.Sc.-B.Ed.Integrated CET PDF eBook Covers Objective Questions With Answers.

Proceeding of First Doctoral Symposium on Natural Computing Research Springer Nature

Early in 1981, the visionary in Dr Vishwanath D Karad saw the need for unaided engineering colleges, to cater to the demand of India that was rapidly rising in aspirations. In the subsequent years, the state of Maharashtra, and indeed the entire nation, put brick and mortar to this vision to the point that today, India produces 1.5 million engineering graduates per year, the majority of them from unaided institutions. This has helped India to be the biggest exporter of white-collar jobs globally, since the turn of the century. The educationist, scientist, spiritualist, philanthropist, education builder, humanist and peace ambassador put all his experiences together in recent years to make the world's largest dome (the dome at Vatican City, Rome, Italy, is now second-placed) and the world's first peace dome which will likely end up being the eighth wonder of the world. This book is a collection of testimonials written by esteemed personalities of our society for this living jewel of India.

English Studies in Indian Universities Allied Publishers

INTELLIGENT SYSTEMS FOR REHABILITATION ENGINEERING Encapsulates different case studies where technology can be used as assistive technology for the physically challenged, visually and hearing impaired. Rehabilitation engineering includes the development of technological solutions and devices to assist individuals with disabilities, while also supporting the recovery of the disabled who have lost their physical and cognitive functions. These systems can be designed and built to meet a wide range of needs that can help individuals with mobility, communication, vision, hearing, and cognition. The growing technological developments in machine learning, deep learning, robotics, virtual intelligence, etc., play an important role in rehabilitation engineering. Intelligent Systems for Rehabilitation Engineering focuses on trending research of intelligent systems in rehabilitation engineering which involves the design and development of innovative technologies and techniques including rehabilitation robotics, visual rehabilitation, physical prosthetics, brain computer interfaces, sensory rehabilitation, motion rehabilitation, etc. This groundbreaking book Provides a comprehensive reference covering different computer assistive techniques for the physically disabled, visually and hearing impaired. Focuses on trending research of intelligent systems in rehabilitation engineering which involves the design and development of innovative technologies and techniques. Provides insights into the role of intelligent systems in rehabilitation engineering. Audience Engineers and device manufacturers working in rehabilitation engineering as well as

researchers in computer science, artificial intelligence, electronic engineering, who are working on intelligent systems.

Maharashtra B.A./B.Sc.-B.Ed.Integrated CET PDF eBook CRC Press
This book uncovers the stakes and possibilities of handling pandemic diseases with the help of Computational Intelligence, using cases and applications from the current Covid-19 pandemic. The book chapters will focus on the application of CI and its related fields in managing different aspects of Covid-19, including modelling of the disease spread, data-driven prediction, identification of disease hotspots, and medical decision support.

Offbeat Tracks in Maharashtra Springer Nature SGN. The Ebook-PDF Maharashtra B.A.-B.Sc.-B.Ed. Integrated CET Covers All Sections Of The Exam.

Catalogue of Books Printed in the State of Maharashtra John Wiley & Sons
The book features 20 inspiring stories of people from Nagpur region who dared to transform their XXL dreams and passion into profession. People who believed that someday their intangible ideas would take a shape. After all dreaming big is a full time job! Through this book the author has tried to portray 20 heroes of Nagpur who dared to think beyond doctor and engineer as their career option. The book is written to encourage and motivate the new generation to listen to their heart and chase what they love. Have the courage to dream. Have the courage to fight. Have the courage to win. Have the courage to follow your passion. And see everything follows you!1

Advanced Computing Routledge
27th European Symposium on Computer Aided Process Engineering, Volume 40 contains the papers presented at the 27th European Society of Computer-Aided Process Engineering (ESCAPE) event held in Barcelona, October 1-5, 2017. It is a valuable resource for chemical engineers, chemical process engineers, researchers in industry and academia, students, and consultants for chemical industries. Presents findings and discussions from the 27th European Society of Computer-Aided Process Engineering (ESCAPE) event