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This Current Affairs Monthly Capsule October 2021 E-book will help you understand in detail exam-related important news including National & International Affairs, Defence, Sports, Person in News, MoU & Agreements, S&T, Awards & Honours, Books etc. The book covers different aspects of real-world applications of optimization algorithms. It provides insights from the Seventh International Conference on Harmony Search, Soft Computing and Applications held at Virtual Conference, Seoul, South Korea, in February 2022. Harmony search (HS) is one of the most popular metaheuristic algorithms, developed in 2001 by Prof. Joong Hoon Kim and Prof. Zong Woo Geem, that mimics the improvisation process of jazz musicians to seek the best harmony. The book consists of research articles on novel and newly proposed optimization algorithms; the theoretical study of nature-inspired optimization algorithms; numerically established results of nature-inspired optimization algorithms; and real-world applications of optimization algorithms and synthetic benchmarking of optimization algorithms. Political parties are more than just an idea or a representation. They are full-fledged organizations of committed grassroot-level workers helping to build the party brick by brick. Many factors come into play in the rise and survival of a political party. In this book, various leaders and party workers from across party lines bring you insight stories about their associations with political parties, their role in electioneering and fundraising, their emotional investment and its toll on their personal and professional lives. Realpolitik: Exposing India's Political System delves into the structure and hierarchy of political parties, political godfathers and dynasty politics. It examines the career roadmap of political workers, appeasement of marginalized groups for vote bank politics, tackling dissent, the play of power and money, and the setbacks when tall leaders desert the party. A deeply fascinating read for people interested in the Indian political system and a 'manual' for those interested in a career in Indian politics. This book presents high-quality peer-reviewed papers from the International Conference on Advanced Communication and Computational Technology (ICACCT) 2019 held at the National Institute of Technology, Kurukshetra, India. The contents are broadly divided into four parts: (i) Advanced Computing, (ii) Communication and Networking, (iii) VLSI and Embedded Systems, and (iv) Optimization Techniques.The major focus is on emerging computing technologies and their applications in the domain of communication and networking. The book will prove useful for engineers and researchers working on physical, data link and transport layers of communication protocols. Also, this will be useful for industry professionals interested in manufacturing of communication devices, modems, routers etc. with enhanced computational and data handling capacities. This volume comprises select papers presented during the Indian Geotechnical Conference 2018. This volume discusses construction challenges and issues in geotechnical engineering. The contents cover foundation design and analysis, issues related to geotechnical structures, including dams, retaining walls, embankments and pavements, and rock mechanics and construction in rocks and rocky environments. Many of the papers discuss live case studies related to important geotechnical engineering projects worldwide, providing useful insights into the realistic designs and constructions. This volume will be of interest to students, researchers and practitioners alike. INTELLIGENT AND SOFT COMPUTING SYSTEMS FOR GREEN ENERGY Written and edited by some of the world's top experts in the field, this exciting new volume provides state-of-the-art research and the latest technological breakthroughs in next-generation computing systems for the energy sector, striving to bring the science toward sustainability. Real-world problems need intelligent solutions. Across many industries and fields, intelligent and soft computing systems, using such developing technologies as artificial intelligence and Internet of Things, are quickly becoming important tools for scientists, engineers, and other professionals for solving everyday problems in practical situations. This book aims to bring together the research that has been carried out in the field of intelligent and soft computing systems. Intelligent and soft computing systems involves expertise from various domains of research, such as electrical engineering, computer engineering, and mechanical engineering. This book will serve as a point of convergence wherein all these domains come together. The various chapters are configured to address the challenges faced in intelligent and soft computing systems from various fields and possible solutions. The outcome of this book can serve as a potential resource for industry professionals and researchers working in the domain of intelligent and soft computing systems. To list a few soft computing techniques, neural-based load forecasting, IoT-enabled smart grids, and blockchain technology for energy trading. Whether for the veteran engineer or the student learning the latest breakthroughs, this exciting new volume is a must-have for any library. This Current Affairs Yearly Review 2021 E-Book will help you understand in detail exam-related important news including National & International Affairs, Defence, Sports, Person in News, MoU & Agreements, Science & Tech, Awards & Honours, Books etc. New research on the magnetic, dielectric and microwave properties of promising materials for domestic, industrial, military and medical applications are presented, with focus on biomaterials, ferrites, Ni-Fe alloys, capacitors, multiferroics, microwave absorbers and perovskite materials. Special emphasis is placed on bioceramics for orthopedic applications; classification of biomaterials; bioactive glass systems; preparation, properties and applications of PbFe12O19 hexaferrites; Ni-Fe alloys for shielding electronic devices from external magnetostatic fields; the role of multiferroics in spintronics field; design of microwave absorbers and absorption characteristics of ceramics. Routledge Q&As give you the tools to practice and refine your exam technique, showing you how to apply your knowledge to maximum effect in assessment. Each book contains essay and problem-based questions on the most commonly examined topics, complete with expert guidance and model answers that help you to: Plan your revision and know what examiners are looking for: Introducing how best to approach revision in each subject Identifying and explaining the main elements of each question, and providing marker annotation to show how examiners will read your answer Understand and remember the law: Using memorable diagram overviews for each answer to demonstrate how the law fits together and how best to structure your answer Gain marks and understand areas of debate: Providing revision tips and advice to help you aim higher in essays and exams Highlighting areas that are contentious and on which you will need to form an opinion Avoid common errors: Identifying common pitfalls students encounter in class and in assessment The series is supported by an online resource that allows you to test your progress during the run-up to exams. Features include: multiple choice questions, bonus Q&As and podcasts. Report assessing society's ability to sustain itself without hurting the next generation This book presents information about composite materials, which have a variety of applications in engineering and aeronautics, transportation, construction, sports, and recreational activities, and so on. The first section evaluates the thermal and mechanical properties of thermoplastic and thermoset polymers reinforced with particles and fibers. The second section discusses new 2D composites such as thin films for their conductivity and shielding properties. In discussing the different materials, Composite Materials include information on the design of the materials, their structure, and their preparation methods. ICICS-2020 is the third conference initiated by the School of Electronics and Electrical Engineering at Lovely Professional University that explored recent innovations of researchers working for the development of smart and green technologies in the fields of Energy, Electronics, Communications, Computers, and Control. ICICS provides innovators to identify new opportunities for the social and economic benefits of society. This conference bridges the gap between academics and R&D institutions, social visionaries, and experts from all strata of society to present their ongoing research activities and foster research relations between them. It provides opportunities for the exchange of new ideas, applications, and experiences in the field of smart technologies and finding global partners for future collaboration. The ICICS-2020 was conducted in two broad categories, Intelligent Circuits & Intelligent Systems and Emerging Technologies in Electrical Engineering. Many of the environmental and social problems we face today are symptoms of a deeper systemic failing: a dominant cultural paradigm that encourages living in ways that are often directly counter to the realities of a finite planet. This paradigm, typically referred to as 'consumerism,' has already spread to cultures around the world and has led to consumption levels that are vastly unsustainable. If this pattern spreads further there will be little possibility of solving climate change or other environmental problems that are poised to dramatically disrupt human civilization. It will take a sustained, long-term effort to redirect the traditions, social movements and institutions that shape consumer cultures towards becoming cultures of sustainability. These institutions include schools, the media, businesses and governments. Bringing about a cultural shift that makes living sustainably as 'natural' as a consumer lifestyle is today will not only address urgent crises like climate change, it could also tackle other symptoms like extreme income inequity, obesity and social isolation that are not typically seen as environmental problems. State of the World 2010 paints a picture of what this sustainability culture could look like, and how we can - and already are - making the shift. This book presents the latest developments and breakthroughs in fuzzy theory and performance prediction of queuing and reliability models by using the stochastic modeling and optimization theory. The main focus is on analytics that use fuzzy logic, queuing and reliability theory for the performance prediction and optimal design of real-time engineering systems including call centers, telecommunication, manufacturing, service organizations, etc. For the day-to-day as well as industrial queuing situations and reliability prediction of machining parts embedded in computer, communication and manufacturing systems, the book assesses various measures of performance and effectiveness that can provide valuable insights and help arrive at the best decisions with regard to service and engineering systems. In twenty chapters, the book presents both theoretical developments and applications of the fuzzy logic, reliability and queuing models in a diverse range of scenarios. The topics discussed will be of

interest to researchers, educators and undergraduate students in the fields of Engineering, Business Management, and the Mathematical Sciences. Cloud computing, the Internet of Things (IoT), and big data are three significant technological trends affecting the world's largest corporations. This book discusses big data, cloud computing, and the IoT, with a focus on the benefits and implementation problems. In addition, it examines the many structures and applications pertinent to these disciplines. Also, big data, cloud computing, and the IoT are proposed as possible study avenues. Features: Informs about cloud computing, IoT and big data, including theoretical foundations and the most recent empirical findings Provides essential research on the relationship between various technologies and the aggregate influence they have on solving real-world problems Ideal for academicians, developers, researchers, computer scientists, practitioners, information technology professionals, students, scholars, and engineers exploring research on the incorporation of technological innovations to address contemporary societal challenges Check Government Scheme Current Affairs Yearly Review 2021 E-book and get all the details about Target Olympic Podium Scheme, Atal Pension Yojana, Gram Ujala Scheme, Beej Gram Yojana, Startup India Seed Fund Scheme, SANKALP, SPPEL Schemes etc. Read National Current Affairs January 2022 from this E-book & know about Economic Survey 2021-22 tabled on 31 January 2022, Gurugram gets India’s biggest electric vehicle charging station, & other exams related news. Blockchain technology is part of the 4th industrialrevolution of Industry and has generated a lot of potential for stakeholders and endusers. From Bitcoin and Ethereum, to the third-generation of blockchains, thetechnology has transformed the digital landscape in many industrial sectors. Cross-IndustryBlockchain Technology: Opportunities and Challenges in Industry 4.0 explores the role of blockchains in industry 4.0across multiple industries. It covers the problems and new frontiersencountered by engineers and professionals for commercial and technical use. The range of Blockchain applicationscovered in the book include finance, big data, health industry,hydrophonics, and vehicle ad hoc networks. General readers and industryprofessionals interested in Blockchain technology and industry 4.0 will findinteresting information about current tech trends in this space. This book is a compilation of contributed research work from International Conference on Electronic Systems and Intelligent Computing (ESIC 2021) and covers the areas of electronics, communication, electrical and computing. This book is specifically targeted to the students, research scholars and academician from the background of electronics, communication, electrical and computer science. Advances in electronics, communication, electrical and computing cover the different approaches and techniques for specific applications using particle swarm optimization, Otsu’s function and harmony search optimization algorithm, DNA-NAND gate, triple gate SOI MOSFET, micro-Raman and FTIR analysis, high-k dielectric gate oxide, spectrum sensing in cognitive radio, microstrip antenna, GPR with conducting surfaces, energy-efficient packet routing, iBGP route reflectors, circularly polarized antenna, double fork-shaped patch radiator, implementation of Doppler radar at 24 GHz, iris image classification using SVM, digital image forgery detection, secure communication, spoken dialog system and DFT-DCT spreading strategies. For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce. This book provides a unique perspective on Arvind Kejriwal and the Aam Aadmi party (AAP) through the keen observations and first-hand insights of an active AAP volunteer and close personal friend of Kejriwal from his undergraduate days at IIT Kharagpur. They re-connected more than a decade after IIT at UC Berkeley when Kejriwal was on a visit while still actively running his NGO, Parivartan, and have remained in contact ever since. The book captures Kejriwal 's transition from a social activist to becoming the brain behind the India Against corruption movement, to the founding of AAP, its dramatic rise to power, the sudden resignation, and its sweeping return to power in 2015, up until the recent internal power struggle within AAP. The book describes the extensive use of technology by the party with first hand details of how some of the most brilliant minds in the business contributed valuable time, energy and knowhow to the party, entirely on a voluntary basis. It addresses in detail the role of NRIs in AAP, the role of AAP's army of volunteers, and the associated challenges in managing their expectations and streamlining their efforts. The book covers several interesting anecdotes from private meetings in Berkeley, Goa, NY and Dubai that Kejriwal attended with friends, and provides rare insights and explodes popular myths about his leadership, his frequent references to God, and his personality in general. Through the book, the author draws upon his entrepreneurial and management experience to establish parallels between the AAP and happenings in startup companies. Finally, it looks at the aftermath of AAP's most recent power struggle, and the road ahead for AAP and its role in Indian politics. From the BESTSELLING Law Express revision series. Law Express Question and Answer: Employment Law is designed to ensure you get the most marks for every answer you write by improving your understanding of what examiners are looking for, helping you to focus in on the question being asked and showing you how to make even a strong answer stand out. Review of reports from various parts of India. Written in a lucid way, this book traverses the entire panorama of strategic management. This book focuses on green computing-based network security techniques and addresses the challenges involved in practical implementation. It also explores the idea of energy-efficient computing for network and data security and covers the security threats involved in social networks, data centers, IoT, and biomedical applications. Green Computing in Network Security: Energy Efficient Solutions for Business and Home includes analysis of green-security mechanisms and explores the role of green computing for secured modern internet applications. It discusses green computing-based distributed learning approaches for security and emphasizes the development of green computing-based security systems for IoT devices. Written with researchers, academic libraries, and professionals in mind so they can get up to speed on network security, the challenges, and implementation processes. `As a pioneer in the age when social media has become India?s new political pulpit and argumentative townsquare, Ankit Lal is perfectly poised to chronicle India?s transformational tryst with Twitter and Facebook and whatever comes next.? ? SHEKHAR GUPTA, senior journalist and recipient of the Padma Bhushan `This book is a must-read for anyone who wants to understand how social media has shaped India in the past decade.? ? ARVIND KEJRIWAL, chief minister, Delhi In India Social, social media activist and influencer Ankit Lal takes a deep dive into India?s biggest social media campaigns and analyses how, in just the last ten years, platforms like Facebook, Twitter, YouTube and WhatsApp have changed the way Indians engage with politics, popular culture and social revolution. From the 2008 Mumbai terror attacks, which unleashed the potential of the medium, to the 2012 #IndiaAgainstCorruption protests; from the rage-filled Justice for Nirbhaya movement to the citizen-driven fight for a free Internet with the #NetNeutrality campaign; from the controversial #AIBRoast to WhatsApp becoming the primary tool used to spread the agenda and ideology of major political parties ? India Social unravels, for the first time, the behind-the-scenes stories of the most influential social media movements of the past decade. Incisive and insightful, India Social is the story of how they began, why they spread and the way they have reshaped democratic life in India. This book, Artificial Intelligence and Machine Learning in Satellite: Data Processing and Services, presents the selected proceedings of the International Conference on Small Satellites (ICSS 2022) that aims to provide an opportunity for academicians, scientists, researchers, and industry experts, engaged in teaching, research, and development on satellite data processing and its services by employing advanced artificial intelligence-based machine learning techniques. This book covers the application of artificial intelligence and machine learning techniques in various domains of earth observations like natural resources and environmental management, water resources, urban and rural development, climate change, and other contemporary subjects. The book will surely be a valuable asset for beginners, researchers, and professionals working in satellite data processing and services using artificial intelligence and machine learning approaches. This book presents selected peer-reviewed papers from the International Conference on Mechanical and Energy Technologies, which was held on October 28–29, 2021, at Galgotias College of Engineering and Technology, Greater Noida, India. The book reports on the latest developments in the field of mechanical and energy technology in contributions prepared by experts from academia and industry. The broad range of topics covered includes aerodynamics and fluid mechanics, artificial intelligence, nonmaterial and nonmanufacturing technologies, rapid manufacturing technologies and prototyping, remanufacturing, renewable energies technologies, metrology and computer-aided inspection, etc. Accordingly, the book offers a valuable resource for researchers in various fields, especially mechanical and industrial engineering, and energy technologies. The book traces the evolution of some of the most notable brands in the Indian marketplace by looking at the interplay of forces that created the environment in which they operated and the strategies they adopted. In a vibrant economy like India-where competition from novel and captivating launches is relentless; where customers? preferences change rapidly-these winning brands have shown resilience and the ability to identify and seize opportunities. The book proves the point that it is the capacity to adapt to changes and formulate effective strategies that determines who survives in the hyper-competitive marketplace of today. Meeting the short run challenges of reviving the worldwide economy need not mean sacrificing long run economic and environmental sustainability. A Global Green New Deal (GGND) is an economic policy strategy for ensuring a more economically and environmentally sustainable world economic recovery. Reviving growth and creating jobs should be essential objectives. But policies should also aim to reduce carbon dependency, protect ecosystems and water resources, and alleviate poverty. Otherwise, economic recovery today will do little to avoid future economic and environmental crises. Part One argues why a GGND strategy is essential to the sustainability of the global economy. Part Two provides an overview of the key national policies whilst Part Three focuses on the global actions necessary to allow national policies to work. Part Four summarizes the main recommendations for national and international action, and discusses the wider implications for restructuring the world economy towards 'greener' development. Established in the wake of the Indo-Pakistani War of 1947-8 by the Australian army officer Major-General Walter Cawthorne, then Deputy Chief of Staff in the Pakistan Army, Pakistan's Inter-Services Intelligence (ISI) for years remained an under-developed and obscure agency. In 1979, the organisation's growing importance was felt during the Soviet war in Afghanistan , as it worked hand in glove with the CIA to support the mujahideen resistance, but its activities received little coverage in news media. Since that time, the ISI has projected its influence across the region in 1988 its involvement in Indian Kashmir came under increasing scrutiny, and by 1995 its mentoring of what became the Afghan Taliban was well attested. But it was the organisation's alleged links with Al Qaeda and the discovery of Osama bin Laden in Abbottabad, at the heart of Pakistan's military zone, that really threw it under the spotlight. These controversies and many more have dogged the ISI, including its role in Pakistan's testing of a nuclear weapon in 1998 and its links with A.Q. Khan. Offering fresh insights into the ISI as a domestic and international actor based on intimate knowledge of its inner workings and key individuals, this startlingly original book uncovers the hitherto shady world of Pakistan's secret service.