Class 12 Pradeep Physics Blkhawk

Ralph Ellison's Invisible Man is the second-most assigned American novel since 1945 and is one of the most enduring. It is studied by many thousands of high school and college students every year and has been since the 1950s. His landmark essays, with their blend of personal history and cultural theory, have been extraordinarily influential. Ralph Ellison in Context includes authoritative chapters summing up longstanding conversations, while offering groundbreaking essays on a variety of topics not yet covered in the copious critical and biographical literature. It provides fresh perspectives on some of the most important people and places in Ellison's life, and explores where his work and biography cross paths with some of the pressing topics of his time. It includes chapters on Ellison's literary influences and offers a definitive overview of his early writings. It also provides an overview of Ellison's reception and reputation from his death in 1994 through 2020.

Drugs, weapons, migrant labour, women — these are just a few of the many goods that effortlessly cross national borders in this globalized age, often without the knowledge or permission of the nations concerned. How is this remarkable criminal feat managed?From gun runners in the Ukraine, to money launderers in Dubai, cyber criminals in Brazil, racketeers in Japan, and the booming marijuana industry in western Canada, McMafia builds a breathtaking picture of a secret and bloody business.Internationally celebrated writer Misha Glenny crafts a fascinating, highly readable, and impressively well-researched account of the emergence of organized crime as a globalized phenomenon and shows how its secret and bloody business mirrors both the methods and the rewards of the legitimate world economy. Employing his journalistic talent and his prior experience covering organized crime in Eastern Europe, Glenny reports on his travels around the planet to investigate this worrying and worsening situation. After comprehensively surveying the criminal scene, Glenny ends by considering the future of organized crime. McMafia is an important book that assembles all the pieces of this worldwide puzzle for the first time.

Movies will never be the same after you learn how to analyze movie data, including key data mining, text mining and social network analytics concepts. These techniques may then be used in endless other contexts. In the movie application, this topic opens a lively discussion on the current developments in big data from a data science perspective. This book is geared to applied researchers and practitioners and is meant to be practical. The reader will take a hands-on approach, running text mining and social network analyses with software packages covered in the book. These include R, SAS, Knime, Pajek and Gephi. The nitty-gritty of how to build datasets needed for the various analyses will be discussed as well. This includes how to extract suitable Twitter data and create a co-starring network from the IMDB database given memory constraints. The authors also guide the reader through an analysis of movie attendance data via a realistic dataset from France.

Twelve Years a Slave (1853) is a memoir and slave narrative by Solomon Northup, as told to and edited by David Wilson. Northup, a black man who was born free in New York, details his kidnapping in Washington, D.C. and subsequent sale into slavery. After having been kept in bondage for 12 years in Louisiana by various masters, Northup was able to write to friends and family in New York, who were in turn able to

secure his release. Northup's account provides extensive details on the slave markets in Washington, D.C. and New Orleans and describes at length cotton and sugar cultivation on major plantations in Louisiana.

Emerging Trends in Electrical, Electronic and Communications EngineeringProceedings of the First International Conference on Electrical, Electronic and Communications Engineering (ELECOM 2016), Bagatelle, Mauritius, November 25 -27, 2016Springer

American Literature in the World is an innovative anthology offering a new way to understand the global forces that have shaped the making of American literature. The wide-ranging selections are structured around five interconnected nodes: war; food; work, play, and travel; religions; and human and nonhuman interfaces. Through these five categories, Wai Chee Dimock and a team of emerging scholars reveal American literature to be a complex network, informed by crosscurrents both macro and micro, with local practices intensified by international concerns. Selections include poetry from Anne Bradstreet to Jorie Graham; the fiction of Herman Melville, Gertrude Stein, and William Faulkner; Benjamin Franklin's parables; Frederick Douglass's correspondence; Theodore Roosevelt's Rough Riders; Langston Hughes's journalism; and excerpts from The Autobiography of Malcom X as well as Octavia Butler's Dawn. Popular genres such as the crime novels of Raymond Chandler, the comics of Art Spiegelman, the science fiction of Philip K. Dick, and recipes from Alice B. Toklas are all featured. More recent authors include Junot Diaz, Leslie Marmon Silko, Jonathan Safran Foer, Edwidge Danticat, Gary Shteyngart, and Jhumpa Lahiri. These selections speak to readers at all levels and invite them to try out fresh groupings and remap American literature. A continually updated interactive component at www.amlitintheworld.yale.edu complements the anthology.

Happy New Almanac Year! It’s time to celebrate the 229th edition of The Old Farmer’s Almanac! Long recognized as North America’s most-beloved and best-selling annual, the handy yellow book fulfills every need and expectation as a calendar of the heavens, a time capsule of the year, an essential reference that reads like a magazine. Always timely, topical, and distinctively “useful, with a pleasant degree of humor,” the Almanac is consulted daily by users from all walks of life, throughout the year. The 2021 edition contains the fun facts, predictions, and feature items that have made it a cultural icon: traditionally 80 percent–accurate weather forecasts; notable astronomical events and time-honored astrological dates; horticultural, culinary, fashion, and other trends; historical hallmarks; best fishing days; time- and money-saving garden advice; recipes for refreshment; facts on folklore, farmers, home remedies, and husbandry; amusements and contests, plus too much more to mention—all in the inimitable way that the Almanac has done since 1792. • Beloved by generations for being “useful, with a pleasant degree of humor,” The Old Farmer’s Almanac features everything under the Sun, including its much-in-demand long-range weather predictions, essential astronomical timetables, 2021 holidays, fascinating trends, best fishing days, valuable gardening information, tantalizing recipes, fun folklore, amusements, contests, and much more! • Exclusive: 32 reference pages, covering such popular topics as full Moon names, hurricane names,

flowers that attract birds and butterflies, U.S./metric measurement conversions, and many more! • Includes 112 full-color pages

This book presents a detailed history of chemical warfare development during the First World War and discusses design approaches to gas masks and the performance of new filter materials that decontaminate chemical warfare agents (CWA) when applied in the vapor phase. It describes multifunctional nanocomposites containing zinc and zirconium (hydr)oxides, graphite oxide and silver or gold nanoparticles as reactive adsorbents for the degradation of the CWAs vapors. In addition it examines in detail the surface properties that are most important in the mineralization performance.

Accompanied by CD with pdf text of this volume and text of With one foot in the furrow: a history of the first seventy-five years of the Department of Plant Pathology at the University of Wisconsin-Madison, edited by Paul H. Williams, Melissa Marosy.

Full seven-equation Reynolds stress turbulence models are a relatively new and promising tool for todays aerospace technology challenges. This paper uses two stress-omega full Reynolds stress models to evaluate challenging flows including shock-wave boundary layer interactions, separation and mixing layers. The Wilcox and the SSGLRR full second-moment Reynolds stress models are evaluated for four problems: a transonic two-dimensional diffuser, a supersonic axisymmetric compression corner, a compressible planar shear layer, and a subsonic axisymmetric jet. Simulation results are compared with experimental data and results using the more commonly used Spalart-Allmaras (SA) one-equation and the Menter Shear Stress Transport (SST) two-equation models. Dudek, Julianne C. and Carlson, Jan-Renee Glenn Research Center; Langley Research Center NASA/TM-2017-219468, AIAA Paper 2017-0541, E-19343, GRC-E-DAA-TN39118

The book reports on advanced theories and methods in two related engineering fields: electrical and electronic engineering, and communications engineering and computing. It highlights areas of global and growing importance, such as renewable energy, power systems, mobile communications, security and the Internet of Things (IoT). The contributions cover a number of current research issues, including smart grids, photovoltaic systems, wireless power transfer, signal processing, 4G and 5G technologies, IoT applications, mobile cloud computing and many more. Based on the proceedings of the first International Conference on Emerging Trends in Electrical, Electronic and Communications Engineering (ELECOM 2016), held in Voila Bagatelle, Mauritius from November 25 to 27, 2016, the book provides graduate students, researchers and professionals with a snapshot of the state-of-the-art and a source of new ideas for future research and collaborations.

The closure of the Millennium Development Goals (MDGs) in 2015 prompted the need for a book of this kind. An interdisciplinary group of global health scholars contribute to the understanding of the emerging and fast-growing problem of the

dual burden of communicable and non-communicable diseases (NCDs) in Africa. This book is timely, as the international community has moved from the MDGs to adopt the Sustainable Development Goals (SDGs) as the blueprint for a new human development agenda. Contributions and case studies are situated in the revised Epidemiologic and Nutrition Transition Model to capture the current situation, referencing communicable and NCDs on the African continent. The case studies encapsulated aim to help minimize negative health outcomes and improve population health, well-being, and equity in the future. This book will be significant in policy circles to assist international organizations, governments, and United Nations agencies. It aims to chart the future for health in Africa in light of recently adopted SDGs. This book is also a useful complementary reader for global public health related courses.

Looseleaf version also available (ISBN 9780117540675). On cover: Fire and Rescue Service operational guidance. GRAs - generic risk assessments. This series only applies to England

Patrick thinks he's hit the jackpot landing an interview with the eccentric billionaire tech mogul Ezra Maes. But while the celebrity deer is charming and brilliant, Pat wasn't expecting something both men had in common: a desire for Pat's lovely girlfriend Nightshade. Ever eager to please his lover, and curious to explore new frontiers in the bedroom, Pat suggests Nightshade start up a relationship - not with Ezra, but rather his sex-hungry alter ego Buck. Has this new phase of Pat and Night's relationship also become their last? Based on the comics and characters by the artist Kadath. Cover, interior illustrations, and gallery by Kadath.

Rotating Machinery, Structural Health Monitoring, Shock and Vibration, Volume 5 Proceedings of the 29th IMAC, A Conference and Exposition on Structural Dynamics, 2011, the fifth volume of six from the Conference, brings together 35 contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of Rotating Machinery, Structural Health Monitoring, as well as Shock and Vibration, along with other structural engineering areas.

"A South Dakota Photography Book. Featuring 350 photos of our seasons, our towns, our youth, black and whites and other topics. Based on the photographs of South Dakota Magazine."

There was a time, when the high and mighty Himalayas all along our northern borders were considered to be impregnable, making India safe from any aggression from the north. But, unfortunately, the myth of the Himalayan infallibility was shattered by the late Fifties, when the Chinese started making aggressive moves all along our Himalayan border and the threat from the north was looming large, from Ladakh in the west to the North East Frontier Agency (NEFA) in the east. Thus, the Army had to spread out and deploy all over one of the highest, most inhospitable and desolate places on earth necessitating the stupendous task of airlift to provide it logistic support. A task that becomes even

more commendable when we consider that this was done half a century ago when the Air Force was smaller, resources were meagre and the biggest aircraft available for the task was the Packet, a twin piston engine aircraft with a limited ceiling. Much of the credit for the airlift operations under such difficult conditions goes to the late Air Marshal L.S. Grewal, then a Wing Commander, who led the operations from the front with his dedication, courage and flying ability. But, unfortunately, before the Army could fully prepare the defences along the border, in October 1962, the Chinese, crossed our eastern border in NEFA and took the Indian Army by surprise. Though the Air Force responded to the Army's request promptly and dropped tons of equipment and rations, the Chinese thrust was so sudden and overwhelming that the Army had to retreat in terrible haste and total chaos, and having no time to pick up the supplies from the dropping zones, had to abandon them where they were.

Bicontinuous interfacially jammed emulsion gels, now commonly termed 'bijels', are a class of soft materials, in which interpenetrating, continuous domains of two immiscible fluids are maintained in a rigid arrangement by a jammed layer of colloidal particles at their interface. Such gels have unusual material properties that promise exciting applications across diverse fields from energy materials and catalysis, to food science. This is the first book on the subject and provides the reader with a fundamental introduction. Edited by a recognised authority on bijels, the reader will learn about the bijel and its formation. Bringing together current understanding, this book aims to bring the potential application of bijels to diverse materials challenges closer to fruition. This is a must-have resource for anyone working in soft matter and applied fields.

This book comprises selected proceedings of the International Conference on Engineering Materials, Metallurgy and Manufacturing (ICEMMM 2018). It discusses innovative manufacturing processes, such as rapid prototyping, nontraditional machining, advanced computer numerical control (CNC) machining, and advanced metal forming. The book particularly focuses on finite element simulation and optimization, which aid in reducing experimental costs and time. This book is a valuable resource for students, researchers, and professionals alike.

A day does not go by without a news article reporting some amazing breakthrough in artificial intelligence (AI). Many philosophers, futurists, and AI researchers have conjectured that human-level AI will be developed in the next 20 to 200 years. If these predictions are correct, it raises new and sinister issues related to our future in the age of intelligent machines. Artificial Superintelligence: A Futuristic Approach directly addresses these issues and consolidates research aimed at making sure that emerging superintelligence is beneficial to humanity. While specific predictions regarding the consequences of superintelligent AI vary from potential economic hardship to the complete extinction of humankind, many researchers agree that the issue is of utmost importance and needs to be seriously addressed. Artificial Superintelligence: A Futuristic Approach discusses

key topics such as: AI-Completeness theory and how it can be used to see if an artificial intelligent agent has attained human level intelligence Methods for safeguarding the invention of a superintelligent system that could theoretically be worth trillions of dollars Self-improving AI systems: definition, types, and limits The science of AI safety engineering, including machine ethics and robot rights Solutions for ensuring safe and secure confinement of superintelligent systems The future of superintelligence and why long-term prospects for humanity to remain as the dominant species on Earth are not great Artificial Superintelligence: A Futuristic Approach is designed to become a foundational text for the new science of AI safety engineering. AI researchers and students, computer security researchers, futurists, and philosophers should find this an invaluable resource.

Popular among university applicants and their advisers alike, these guides presents a wide range of information on a specific degree discipline, laid out in tabular format enabling at-a-glance course comparison.

Reservoir Characterization is a collection of papers presented at the Reservoir Characterization Technical Conference, held at the Westin Hotel-Galleria in Dallas on April 29-May 1, 1985. Conference held April 29-May 1, 1985, at the Westin Hotel—Galleria in Dallas. The conference was sponsored by the National Institute for Petroleum and Energy Research, Bartlesville, Oklahoma. Reservoir characterization is a process for quantitatively assigning reservoir properties, recognizing geologic information and uncertainties in spatial variability. This book contains 19 chapters, and begins with the geological characterization of sandstone reservoir, followed by the geological prediction of shale distribution within the Prudhoe Bay field. The subsequent chapters are devoted to determination of reservoir properties, such as porosity, mineral occurrence, and permeability variation estimation. The discussion then shifts to the utility of a Bayesian-type formalism to delineate qualitative ""soft"" information and expert interpretation of reservoir description data. This topic is followed by papers concerning reservoir simulation, parameter assignment, and method of calculation of wetting phase relative permeability. This text also deals with the role of discontinuous vertical flow barriers in reservoir engineering. The last chapters focus on the effect of reservoir heterogeneity on oil reservoir. Petroleum engineers, scientists, and researchers will find this book of great value.

This book represents the seventeenth edition of the leading IMPORTANT reference work MAJOR COMPANIES OF THE ARAB WORLD. All company entries have been entered in MAJOR COMPANIES OF THE ARAB WORLD absolutely free of ThiS volume has been completely updated compared to last charge, thus ensuring a totally objective approach to the year's edition. Many new companies have also been included information given. this year. Whilst the publishers have made every effort to ensure that the information in this book was correct at the time of press, no The publishers remain confident that MAJOR COMPANIES responsibility or liability can be accepted for any errors or OF THE

ARAB WORLD contains more information on the omissions, or fqr the consequences thereof. major industrial and commercial companies than any other work. The information in the book was submitted mostly by the ABOUT GRAHAM & TROTMAN LTD companies themselves, completely free of charge. To all those Graham & Trotman Ltd, a member of the Kluwer Academic companies, which assisted us in our research operation, we Publishers Group, is a publishing organisation specialising in express grateful thanks. To all those individuals who gave us the research and publication of business and technical help as well, we are similarly very grateful. information for industry and commerce in many parts of the world.

Chemical Warfare Agents, Second Edition has been totally revised since the successful first edition and expanded to about three times the length, with many new chapters and much more in-depth consideration of all the topics. The chapters have been written by distinguished international experts in various aspects of chemical warfare agents and edited by an experienced team to produce a clear review of the field. The book now contains a wealth of material on the mechanisms of action of the major chemical warfare agents, including the nerve agent cyclosarin, formally considered to be of secondary importance, as well as ricin and abrin. Chemical Warfare Agents, Second Edition discusses the physico-chemical properties of chemical warfare agents, their dispersion and fate in the environment, their toxicology and management of their effects on humans, decontamination and protective equipment. New chapters cover the experience gained after the use of sarin to attack travellers on the Tokyo subway and how to deal with the outcome of the deployment of riot control agents such as CS gas. This book provides a comprehensive review of chemical warfare agents, assessing all available evidence regarding the medical, technical and legal aspects of their use. It is an invaluable reference work for physicians, public health planners, regulators and any other professionals involved in this field. Review of the First Edition: "What more appropriate time for a title of this scope than in the post 9/11 era? ...a timely, scholarly, and well-written volume which offers much information of immense current and...future benefit." —VETERINARY AND HUMAN TOXICOLOGY

Because of their nanoporous structures and ultra-high surface areas Metal-Organic Framework Composites (MOFs) are very interesting materials. The book focusses on the following applications: gas capture and storage, especially molecular hydrogen storage; performance enhancement of Li-ion batteries; gas separation, nano-filtration, ionic sieving, water treatment, and catalysis; sustainable renewable energy resources, electrochemical capacitors, including supercapacitors, asymmetric supercapacitors and hybrid supercapacitors; biomedical disciplines including drug delivery, theranostics; biological detection and imaging; nanoparticle photosensitizers for photodynamic therapy (PDT) and photothermal therapy (PTT). Keywords: MOF Materials, Hydrogen Storage, Renewable Energy Applications, Lithium Batteries, MOF-Quantum Dots, Clean

Energy, Nanoporous MOFs, Supercapacitors, Therapeutic Applications, Biosensing, Bioimaging, Phototherapy of Cancer, Gas Separation, Nano-filtration, Ionic Sieving, Water Treatment, Drug Delivery, Theranostics; Nanoparticle Photosensitizers, Photodynamic Therapy (PDT), Photothermal Therapy (PTT).

This book is a call to action, a plea to your conscience. The horrors that exist in the global health community are each and everyone of our personal responsibilities. Please look into the eyes of the following portraits and ask yourself "what can I do?" This is neither a primer on tropical medicine, global health nor travel medicine. Rather, these portraits hopefully will find a spot in your heart and soul to encourage you to make a change in the world that you share with many so less fortunate. This photojourney is a description of people groups from my work as a missionary doctor and traveler through some eighty countries and over one hundred tribal groups.

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