

## Sample Question Paper 17209

Tinnitus is the perception of a sound when no external sound is present. The severity of tinnitus varies but it can be debilitating for many patients. With more than 100 million people with chronic tinnitus worldwide, tinnitus is a disorder of high prevalence. The increased knowledge in the neuroscience of tinnitus has led to the emergence of promising treatment approaches, but no uniformly effective treatment for tinnitus has been identified. The large patient heterogeneity is considered to be the major obstacle for the development of effective treatment strategies against tinnitus. This eBook provides an inter- and multi-disciplinary collection of tinnitus research with the aim to better understand tinnitus heterogeneity and improve therapeutic outcomes.

In the five years since the first edition of this classic book was published, Internet use has exploded. The commercial world has rushed headlong into doing business on the Web, often without integrating sound security technologies and policies into their products and methods. The security risks--and the need to protect both business and personal data--have never been greater. We've updated Building Internet Firewalls to address these newer risks. What kinds of security threats does the Internet pose? Some, like password attacks and the exploiting of known security holes, have been around since the early days of networking. And others, like the distributed denial of service attacks that crippled Yahoo, E-Bay, and other major e-commerce sites in early 2000, are in current headlines. Firewalls, critical components of today's computer networks, effectively protect a system from most Internet security threats. They keep damage on one part of the network--such as eavesdropping, a worm program, or file damage--from spreading to the rest of the network. Without firewalls, network security problems can rage out of control, dragging more and more systems down. Like the bestselling and highly respected first edition, Building Internet Firewalls, 2nd Edition, is a practical and detailed step-by-step guide to designing and installing firewalls and configuring Internet services to work with a firewall. Much expanded to include Linux and Windows coverage, the second edition describes: Firewall technologies: packet filtering, proxying, network address translation, virtual private networks Architectures such as screening routers, dual-homed hosts, screened hosts, screened subnets, perimeter networks, internal firewalls Issues involved in a variety of new Internet services and protocols through a firewall Email and News Web services and scripting languages (e.g., HTTP, Java, JavaScript, ActiveX, RealAudio, RealVideo) File transfer and sharing services such as NFS, Samba Remote access services such as Telnet, the BSD "r" commands, SSH, BackOrifice 2000 Real-time conferencing services such as ICQ and talk Naming and directory services (e.g., DNS, NetBT, the Windows Browser) Authentication and auditing services (e.g., PAM, Kerberos, RADIUS); Administrative services (e.g., syslog, SNMP, SMS, RIP and other routing protocols, and ping and other network diagnostics) Intermediary protocols (e.g., RPC, SMB, CORBA, IIOP) Database protocols (e.g., ODBC, JDBC, and protocols for Oracle, Sybase, and Microsoft SQL Server) The book's complete list of resources includes the location of many publicly available firewall construction tools.

Bow Before Your Queen Or Bleed Before Her... From #1 New York Times bestselling author Jennifer L. Armentrout comes book three in her Blood and Ash series. She's been the victim and the survivor... Poppy never dreamed she would find the love she's found with Prince Casteel. She wants to revel in her happiness but first they must free his brother and find hers. It's a dangerous mission and one with far-reaching consequences neither dreamed of. Because Poppy is the Chosen, the Blessed. The true ruler of Atlantia. She carries the blood of the King of Gods within her. By right the crown and the kingdom are hers. The enemy and the warrior... Poppy has only ever wanted to control her own life, not the lives of others, but now she must choose to either forsake her birthright or seize the gilded crown and become the Queen of Flesh and Fire. But as the kingdoms' dark sins and blood-drenched secrets finally unravel, a long-forgotten power rises to pose a genuine threat. And they will stop at nothing to ensure that the crown never sits upon Poppy's head. A lover and heartmate... But the greatest threat to them and to Atlantia is what awaits in the far west, where the Queen of Blood and Ash has her own plans, ones she has waited hundreds of years to carry out. Poppy and Casteel must consider the impossible--travel to the Lands of the Gods and wake the King himself. And as shocking secrets and the harshest betrayals come to light, and enemies emerge to threaten everything Poppy and Casteel have fought for, they will discover just how far they are willing to go for their people--and each other. And now she will become Queen...

The No. 1 New York Times bestseller. A powerful and extraordinary novel about the unlikely friendship between two exceptional women during the last years of slavery in the US. From the celebrated author of the multi-million-copy-bestselling novel The Secret Life of Bees. 'Fascinating... A splendid tribute to a pair of true heroines' The Times 'Wonderful - well-written, moving and engaging by turns, and always compelling' Daily Mail 'A remarkable novel that heightened my sense of what it meant to be a woman - slave or free' Oprah Winfrey 'A resonant, illuminating novel' Observer Sarah Grimké is the middle daughter. Her mother says she's difficult and her father says she's remarkable. On Sarah's eleventh birthday, Hetty 'Handful' Grimké is taken from the slave quarters she shares with her mother, wrapped in lavender ribbons, and presented to Sarah as a gift. Sarah knows that what she does next will unleash a world of trouble. She also knows that she cannot accept another person as a present. And so, indeed, the trouble begins ... A powerful, sweeping novel, inspired by real events, and set in the American Deep South in the nineteenth century, The Invention of Wings evokes a world of shocking contrasts, of beauty and ugliness, of otherwise respectable people living daily with cruelty they fail to recognise; and celebrates the power of friendship and sisterhood against all the odds. What readers say about The Invention of Wings: 'You cannot fault Sue Monk Kidd's writing; she very adeptly speaks with both Sarah and Handful's voice. The pictures she paints are vivid, compelling and haunting; this is not a novel I will easily forget' Goodreads reviewer, 5 stars 'I was not expecting this book to grab my heartstrings and pull the way that it did' Goodreads reviewer, 5 stars 'The weaving of fact and fiction into a powerful novel covering abolition of slavery, women's ambitions in 19th century America, love, family, betrayal and hope for a better future make compelling reading' Amazon

reviewer, 5 stars 'Unforgettable. This book was completely and utterly dynamic. From the first word to the last I was enthralled with Sarah and Handful. So powerful' Goodreads reviewer, 5 stars

This book deals with infectious diseases -- viral, bacterial, protozoan and helminth -- in terms of the dynamics of their interaction with host populations. The book combines mathematical models with extensive use of epidemiological and other data. This analytic framework is highly useful for the evaluation of public health strategies aimed at controlling or eradicating particular infections. Such a framework is increasingly important in light of the widespread concern for primary health care programs aimed at such diseases as measles, malaria, river blindness, sleeping sickness, and schistosomiasis, and the advent of AIDS/HIV and other emerging viruses. Throughout the book, the mathematics is used as a tool for thinking clearly about fundamental and applied problems having to do with infectious diseases. The book is divided into two parts, one dealing with microparasites (viruses, bacteria and protozoans) and the other with macroparasites (helminths and parasitic arthropods). Each part begins with simple models, developed in a biologically intuitive way, and then goes on to develop more complicated and realistic models as tools for public health planning. The book synthesizes previous work in this rapidly growing field (much of which is scattered between the ecological and the medical literature) with a good deal of new material.

From Booker-shortlisted author Elif Shafak, *Honour* is a gripping tale of love, betrayal and clashing cultures. 'My mother died twice. I promised myself I would not let her story be forgotten' Pembe and Adem Toprak leave Turkey for London. There they make new lives for their family. Yet the traditions and beliefs of their home come with them - carried in the blood of their children, Iskender and Esma. Trapped by past mistakes, the Toprak children find their lives torn apart and transformed by a brutal and chilling crime. Set in Turkey and London in the 1970s, *Honour* explores pain and loss, loyalty and betrayal, the clash of tradition and modernity, as well as the love and heartbreak that can tear any family apart. 'One of the best writers in the world today' Hanif Kureishi 'Vivid storytelling... that explores the darkest aspects of faith and love' Sunday Telegraph

The #1 New York Times–bestselling author’s “groundbreaking” work on women’s sexual fantasies (Publishers Weekly). First published in 1973, *My Secret Garden* ignited a firestorm of reactions across the nation—from outrage to enthusiastic support. Collected from detailed personal interviews with hundreds of women from diverse backgrounds, this book presents a bracingly honest account of women’s inner sexual fantasy lives. In its time, this book shattered taboos and opened up a conversation about the landscape of feminine desire in a way that was unprecedented. Today, *My Secret Garden* remains one of the most iconic works of feminist literature of our time—and is still relevant to millions of women throughout the world. “The author whose books about gender politics helped redefine American women’s sexuality.” —The New York Times

*Electrospun Nanofibers* covers advances in the electrospinning process including characterization, testing and modeling of electrospun nanofibers, and electrospinning for particular fiber types and applications. *Electrospun Nanofibers* offers systematic and comprehensive coverage for academic researchers, industry professionals, and postgraduate students working in the field of fiber science. Electrospinning is the most commercially successful process for the production of nanofibers and rising demand is driving research and development in this field. Rapid progress is being made both in terms of the electrospinning process and in the production of nanofibers with superior chemical and physical properties. Electrospinning is becoming more efficient and more specialized in order to produce particular fiber types such as bicomponent and composite fibers, patterned and 3D nanofibers, carbon nanofibers and nanotubes, and nanofibers derived from chitosan. Provides systematic and comprehensive coverage of the manufacture, properties, and applications of nanofibers Covers recent developments in nanofibers materials including electrospinning of bicomponent, chitosan, carbon, and conductive fibers Brings together expertise from academia and industry to provide comprehensive, up-to-date information on nanofiber research and development Offers systematic and comprehensive coverage for academic researchers, industry professionals, and postgraduate students working in the field of fiber science

One hot August day a family drives to a mountain clearing to collect birch wood. Jenny, the mother, is in charge of lopping any small limbs off the logs with a hatchet. Wade, the father, does the stacking. The two daughters, June and May, aged nine and six, drink lemonade, swat away horseflies, bicker, sing snatches of songs as they while away the time. But then something unimaginably shocking happens, an act so extreme it will scatter the family in every different direction. In a story told from multiple perspectives and in razor-sharp prose, we gradually learn more about this act, and the way its violence, love and memory reverberate through the life of every character in Idaho.

This volume covers volcanoes, magma, crystals, granite, and other aspects of igneous rocks. It includes the science behind the rock cycle and the formation of igneous rocks as well as household uses of igneous rocks.

*Bacterial Artificial Chromosomes, Second Edition* expands upon the previous edition with current, detailed methods developed for working with BACs. Updated chapters included in this edition present fundamental techniques used for BAC construction and characterization, advanced procedures for introducing modifications, achieving gene expression from BAC vectors, applications of BACs in model organisms, and medical genetics and drug discovery. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step reproducible laboratory protocols, and tips to troubleshoot and avoid known pitfalls. Authoritative and cutting-edge, *Bacterial Artificial Chromosomes, Second Edition* seeks to aid scientists in advancing their research using these exciting BAC techniques and strategies.

Assessment centres are set up by organizations looking to recruit graduates. This book answers a range of questions such as: what are the reasons for assessment centres; what skills and characteristics are they looking for; what are the main types of tests; what are the dos and don'ts?

A Good Morning America Book Club Pick | A New York Times bestseller! "Utterly addictive." --Paula Hawkins, author of *The Girl on the Train* "Hooks you from the very first page and will have you racing to get to the end."--Good Morning America A tense, page-turning psychological drama about the making and breaking of a family--and a woman whose experience of motherhood is nothing at all what she hoped for--and everything she feared Blythe Connor is determined that she will be the warm, comforting mother to her new baby Violet that she herself never had. But in the thick of motherhood's exhausting early days, Blythe becomes convinced that something is wrong with her daughter--she doesn't behave like most children do. Or is it all in Blythe's head? Her husband, Fox, says she's imagining things. The more Fox dismisses her fears, the more Blythe begins to question her own sanity, and the more we begin to question what Blythe is telling us about her life as well. Then their son Sam is born--and with him, Blythe has the blissful connection she'd always imagined with her child. Even Violet seems to love her little brother. But when life as they know it is changed in an instant, the devastating fall-out forces Blythe to face the truth. *The Push*

is a tour de force you will read in a sitting, an utterly immersive novel that will challenge everything you think you know about motherhood, about what we owe our children, and what it feels like when women are not believed.

Fungal diseases have contributed to death and disability in humans, triggered global wildlife extinctions and population declines, devastated agricultural crops, and altered forest ecosystem dynamics. Despite the extensive influence of fungi on health and economic well-being, the threats posed by emerging fungal pathogens to life on Earth are often underappreciated and poorly understood. On December 14 and 15, 2010, the IOM's Forum on Microbial Threats hosted a public workshop to explore the scientific and policy dimensions associated with the causes and consequences of emerging fungal diseases.

Captivating and action-packed, *From Blood and Ash* is a sexy, addictive, and unexpected fantasy perfect for fans of Sarah J. Maas and Laura Thalassa. A Maiden... Chosen from birth to usher in a new era, Poppy's life has never been her own. The life of the Maiden is solitary. Never to be touched. Never to be looked upon. Never to be spoken to. Never to experience pleasure. Waiting for the day of her Ascension, she would rather be with the guards, fighting back the evil that took her family, than preparing to be found worthy by the gods. But the choice has never been hers. A Duty... The entire kingdom's future rests on Poppy's shoulders, something she's not even quite sure she wants for herself. Because a Maiden has a heart. And a soul. And longing. And when Hawke, a golden-eyed guard honor bound to ensure her Ascension, enters her life, destiny and duty become tangled with desire and need. He incites her anger, makes her question everything she believes in, and tempts her with the forbidden. A Kingdom... Forsaken by the gods and feared by mortals, a fallen kingdom is rising once more, determined to take back what they believe is theirs through violence and vengeance. And as the shadow of those cursed draws closer, the line between what is forbidden and what is right becomes blurred. Poppy is not only on the verge of losing her heart and being found unworthy by the gods, but also her life when every blood-soaked thread that holds her world together begins to unravel. Reviews for *From Blood and Ash*:

"Dreamy, twisty, steamy escapism. Take me back!" -New York Times bestseller Wendy Higgins "Jennifer Armentrout has the power to control my emotions with every word she writes. From swooning to crying to racing through the pages to find out what happens next, I couldn't stop reading about Hawke and Poppy, and you won't be able to either." - Brigid Kemmerer, New York Times Bestselling Author of *A Curse So Dark and Lonely* "Action, adventure, sexiness, and angst! *From Blood and Ash* has it all and double that. So many feels and so many moments it made me cheer for the character. Read. This. Book! You'll be obsessed!" - Tijan NYT bestselling author "From Blood and Ash is a phenomenal fantasy novel that is filled to the brim with danger, mystery and heart melting romance. I loved every single second of it and I couldn't get enough of this new fantastical world. A heart stopping start to what is clearly going to be a stunning series, perfect for both those who love fantasy and those who are new to the genre. A must read." Kayleigh, K-Books "If you think you are ready for *From Blood and Ash*, think again. Jennifer L. Armentrout has woven a new fantasy universe that will leave you reeling. Filled with action, heart wrenching twists and the most delicious romance, this unputdownable novel comes with a warning: keep a fan close by, because the temperatures are about to rise." Elena, The Bibliotheque Blo "In this exciting new novel by Jennifer L. Armentrout, she introduces a fantastical world filled with immense detail, and characters who are poignant and fierce, Jennifer truly has out done herself!" – BookBesties "From Blood and Ash is a fantastic fantasy that will hook you immediately from the very first page! I loved every single moment and all of the characters are ones you will fall in love with! Jennifer L. Armentrout has done it again with her amazing writing skills and lots of detail! Get this book immediately!!!" - Amanda @Stuck In YA Books "Jennifer has stepped into the fantasy genre with this absolutely amazing novel. With characters you will love and more than a few twists and turns, get ready for one amazing adventure." -Perpetual Fangirl "This magnificent book has so many pieces in it: fantasy, mystery, forbidden romance, supernatural, lies, deceit, betrayal, love, friendship, family. And so, so, so many secrets your head will be spinning. Jennifer L. Armentrout has created another masterpiece that I will be rushing to buy, and will be telling everyone to read it ASAP!" ~Jeraca @My Nose in YA Books "From Blood to Ash is the first high fantasy book from Jennifer L Armentrout, but hopefully not the last. Like all her other works, her ability to create worlds, create swoon worthy men, and feisty strong female characters is amazing. Fantasy, mystery, romance, betrayal, love, and steamy scenes, this book has it all." - Lisa @ The Blonde Book Lover "From Blood & Ash is everything we love about JLA's fantasy writing...pumped up on steroids. There's epic world building and plot twists, a strong female lead, a swoon worthy book hottie, a steamy forbidden love story, and side characters that can't help but steal your heart. My mind was blown by the end of this book." - Kris S. (frantic4romantic) "Step into an exciting new fantasy world by Jennifer L. Armentrout, *From Blood And Ash* takes you on a fantastic ride with twists and turns galore. Characters you will love to laugh and cry with. A phenomenal start to an exciting new series." - Lori Dunn an avid reader "From Blood and Ash was everything I wanted in a high fantasy novel. The myths, the legends, the epic romance, and an adventure that will keep you on your toes beginning to end. I couldn't put the book down. Truly a brilliant start to what I believe will be yet another amazing series by Jennifer L. Armentrout." –Sabrina, Books Are My Life "Jennifer L. Armentrout takes her first step into the high fantasy genre with *From Blood and Ash*. A story of forbidden love, lies, secrets, and betrayal - it will leave you wanting more after the very last page." - Love Just Is Books "From Blood and Ash is like reading my favorite book for first time." - Raquel Herrera "With *From Blood and Ash*, Jennifer Armentrout successfully takes on the genre of high fantasy, proving, once again, that she is a master of her craft. Filled with epic adventure, forbidden romance, deceit, lies, and betrayal, FB&A draws you in from page one and refuses to let go!" - Erica, The Rest Just Falls Away "Jennifer L. Armentrout comes trough once again with *From Blood and Ash* as it kept me enthralled throughout the full book. You won't be able to put down this epic story once you start." - Julalicious Book Paradise "From Blood and Ash strikes the perfect balance between fantasy and romance elements leaving the world feeling live in and full while allowing the relationship between the main characters feeling real and authentic." - Nads Book Nook, Nadine Bergeron "Be prepared to spend your whole day reading *From Blood and Ash*. Once you start reading this high fantasy novel, you won't want to put it down." - Love Book Triangle "From Blood and Ash is absolutely breath taking. JLA does what she does best by creating a fantastical world filled with romance, lies, betrayal, adventure and all things we love and expect from JLA characters that melt our hearts and steal our hearts and souls. I cannot wait for the next one!" - Pia Colon "From Blood and Ash, Jennifer L. Armentrout brought to life a high fantasy that is enthralling. Another masterful addition to my collection. Get ready to stay on your toes from start to end." - Amy Oh, Reader by the Mountains "From Blood and Ash is the first high fantasy novel by Jennifer L Armentrout and she absolutely nails it. This is fantasy for skeptics and unbelievers because it makes you want to be a fantasy fan! This page turner makes you want to devour it in one night and at the same time savor every detail. Heart stopping and inspiring and grips you from page one." – Tracy Kirby "An intriguing puzzle of a world, a ruthless hero, a determine heroin, and a plot that will keep you up late, this book is one of the best I've read this year." – Valerie from Stuck In Books "From Blood and Ash, a thrilling high

fantasy that packs a punch, each page will leave you wanting more!" - Tracey, Books & Other Pursuits

The Fourth International Meeting on Clinical Pharmacology in Psychiatry was held in Bethesda, Maryland on 5-8 September 1985 and was dedicated to the memory of Dr. Earl Usdin. Earl was one of the organizers of the three previous meetings held in Chicago (1979), Tromsø (1980), and Odense (1982). During the organization of the fourth meeting Earl became ill and had to relinquish his role as one of the principal organizers. It is safe to conclude that there was no better, or more professional, or more efficient an organizer of scientific meetings in the field of neuropharmacology and psychiatry than Earl Usdin, and it was quite a task for the remaining organizers to fill the void left when he withdrew from this one. Those of us who have organized previous meetings with Earl were struck by how much more difficult our work became without him. This obviously speaks well for his subtle (and at times not so subtle) organizational skills. Nevertheless, in Earl's memory the organizers proceeded to invite a group of internationally renowned neuropsychopharmacologists to address the problem of selectivity in psychotropic drug action and to try to reconcile the amazing advances in basic preclinical neuropsychopharmacology with the problem of clinical specificity encountered by the psychiatrist.

#### Optical Oceanography

This volume offers a collection of theoretical perspectives in the area of short-term memory. It contains overviews of models of short-term memory, with particular emphasis placed on the detailed description of the functioning of the models. The volume represents both computational approaches and theories expressed in more traditional verbal form. Models represented in the volume also cover both developmental and neuropsychological perspectives on short-term memory.; This book should appeal to active researchers in the area of memory, to graduate students, and to academics who wish to update their knowledge of this fast-developing area of research and theory. Final year undergraduates may also find this book of interest.

Forests are major components of the earth's natural resources and they are increasingly critical to the welfare of the U.S. economy, environment, and population. Desires to improve forest management and productivity, preserve biodiversity, maintain ecologic integrity, and provide societal services, such as recreation and tourism, necessitate a strong forestry-research base. Given the clear importance of forestry research in sustaining forests for the future, the U.S. Department of Agriculture (USDA) Forest Service asked the Board on Agriculture and Natural Resources of the National Academies to undertake a study of the nation's capacity in forestry research. The Committee on National Capacity in Forestry Research was appointed to carry out the study, which was conducted to review the current expertise and status of forestry research and to examine the approaches of natural resources education and forestry-research organizations to meet future needs.

Offering students and lawyers an introduction to the French law and legal system, this text gives an explanation of the French institutions, concepts, and techniques, providing a clear sense of the questions which French lawyers see as important.

Evidence-Based Practice in Nursing & Healthcare: A Guide to Best Practice, 4th Edition Bernadette Mazurek Melnyk, PhD, RN, APRN-CNP, FAANP, FNAP, FAAN and Ellen Fineout-Overholt, PhD, RN, FNAP, FAAN Enhance your clinical decision-making capabilities and improve patient outcomes through evidence-based practice. Develop the skills and knowledge you need to make evidence-based practice (EBP) an integral part of your clinical decision-making and everyday nursing practice with this proven, approachable text. Written in a straightforward, conversational style, Evidence-Based Practice in Nursing & Healthcare delivers real-world examples and meaningful strategies in every chapter to help you confidently meet today's clinical challenges and ensure positive patient outcomes. NEW! Making Connections: An EBP Exemplar opens each unit, immersing you in an unfolding case study of EBP in real-life practice. NEW! Chapters reflect the most current implications of EBP on health policy and the context, content, and outcomes of implementing EBP competencies in clinical and academic settings. NEW! Learning objectives and EBP Terms to Learn at both the unit and chapter levels help you study efficiently and stay focused on essential concepts and vocabulary. Making EBP Real features continue to end each unit with real-world examples that demonstrate the principles of EBP applied. EBP Fast Facts reinforce key points at a glance. Clinical Scenarios clarify the EBP process and enhance your rapid appraisal capabilities.

In this volume, the first synthesis of work on cognitive interference, leading researchers, theorists, and clinicians from around the world confront a number of important questions about intrusive thoughts and suggest a challenging agenda for the future.

Despite the growing importance of the global emerging market (GEM) for the world's business, economies, and politics, it has received a relatively scant amount of academic attention in business and economics courses. This textbook is the first to focus on the GEM and its strategic and economic characteristics. The Global Emerging Market: Strategic Management and Economics describes the fundamental economic base and trends of the global marketplace (GMP) as well as business and management development for the conditions of emerging-market countries (EMCs). Focusing on the formation of a strategic mindset and the decision making process, it explains how to analyze the basic economic factors and the global order, especially in times of crisis. This text also explains how to classify countries related to this new market of tremendous opportunities. Furthermore, the book includes recommendations on how to develop entry and exit strategies for the GEM, work in it and create efficient management systems. Features include: Extensive tables, charts, and graphs illustrating the strategic considerations of the GMP and the GEM End-of-chapter study questions Practical examples based on the author's involvement in the development of the GEM, from both sides of the international transactions This academic book is the ideal guide for current business leaders and students on how to make strategic, symmetric, and asymmetric time-sensitive decisions related to the GEM. This book considers the European Union as a project with a major antidiscrimination goal, which is important to remember at a time of increasing resentment against particularly exposed groups, especially migrants, refugees, members of ethnic or religious minorities and LGBTI persons. While equality and non-discrimination have long been core principles of the international community as a whole, as is made obvious by the UN Charter and the Universal Declaration of Human Rights, they have shaped European integration in a particular way. The concepts of diversity, pluralism and equality have always been inherent in that process, the EU being virtually founded on the values of equality and non-discrimination. The Charter of Fundamental Rights of the EU contains the most modern and extensive catalogue of prohibited grounds of discrimination, supplementing the catalogue enshrined in the European Convention on Human Rights. EU law has given new impulses to antidiscrimination law both within Europe and beyond. The contributions to this book focus on how effective and credible the EU has been in combatting discrimination inside and outside Europe. The authors present different (mostly legal) aspects of that topic and examine them from various intra- and extra-European angles.

From #1 New York Times bestselling author Jennifer L. Armentrout comes a new novel in her Blood and Ash series... Is Love Stronger Than Vengeance? A Betrayal... Everything Poppy has ever believed in is a lie, including the man she was falling in love with. Thrust among those who see her as a symbol of a monstrous kingdom, she barely knows who she is without the veil of the Maiden. But what she does know is that nothing is as dangerous to her as him: The Dark One. The Prince of Atlantia. He wants her to fight him, and that's one order she's more than happy to obey. He may have taken her, but he will never have her. A Choice.... Casteel Da'Neer is known by many names and many

faces. His lies are as seductive as his touch. His truths as sensual as his bite. Poppy knows better than to trust him. He needs her alive, healthy, and whole to achieve his goals. But he's the only way for her to get what she wants—to find her brother Ian and see for herself if he has become a soulless Ascended. Working with Casteel instead of against him presents its own risks. He still tempts her with every breath, offering up all she's ever wanted. Casteel has plans for her. Ones that could expose her to unimaginable pleasure and unfathomable pain. Plans that will force her to look beyond everything she thought she knew about herself—about him. Plans that could bind their lives together in unexpected ways that neither kingdom is prepared for. And she's far too reckless, too hungry, to resist the temptation. A Secret... But unrest has grown in Atlantia as they await the return of their Prince. Whispers of war have become stronger, and Poppy is at the very heart of it all. The King wants to use her to send a message. The Descenters want her dead. The wolverns are growing more unpredictable. And as her abilities to feel pain and emotion begin to grow and strengthen, the Atlantians start to fear her. Dark secrets are at play, ones steeped in the blood-drenched sins of two kingdoms that would do anything to keep the truth hidden. But when the earth begins to shake, and the skies start to bleed, it may already be too late.

Artificial intelligence (AI) is a field within computer science that is attempting to build enhanced intelligence into computer systems. This book traces the history of the subject, from the early dreams of eighteenth-century (and earlier) pioneers to the more successful work of today's AI engineers. AI is becoming more and more a part of everyone's life. The technology is already embedded in face-recognizing cameras, speech-recognition software, Internet search engines, and health-care robots, among other applications. The book's many diagrams and easy-to-understand descriptions of AI programs will help the casual reader gain an understanding of how these and other AI systems actually work. Its thorough (but unobtrusive) end-of-chapter notes containing citations to important source materials will be of great use to AI scholars and researchers. This book promises to be the definitive history of a field that has captivated the imaginations of scientists, philosophers, and writers for centuries.

The updated third edition of the definitive text on health social work Thoroughly revised and updated, the third edition of Handbook of Health Social Work is an authoritative text that offers a comprehensive review of the diverse field of health social work. With contributions from a panel of international experts in the field, the book is theory driven and solidly grounded in evidence-based practice. The contributors explore both the foundation of social work practice and offer guidance on effective strategies, policies, and program development. The text provides information that is essential to the operations of social workers in health care including the conceptual underpinnings and the development of the profession. The authors explore the practice issues such as theories of health behavior, assessment, communication and the intersections between health and mental health. The authors also examine a wide range of examples of social work practices including settings that involve older adults, nephrology, oncology, and chronic diseases such as diabetes, heart disease, HIV/AIDS, genetics, end of life care, pain management and palliative care, as well as alternative treatments, and traditional healers. This is the only handbook of its kind to unite the body of health social work and:

- Offers a wellness, rather than psychopathological perspective and contains treatment models that are evidence-based
- Includes learning exercises, further resources, research suggestions, and life-course information.
- Contains new chapters on topics such as international health, insurance and payment systems, and implementation of evidence-based practice
- Presents information on emerging topics such as health policy in an age of reform, and genomics and the social environment
- Reviews new trends in social work and health care including genetics, trans-disciplinary care, and international, national, and state changes in policy

Written for social work educators, administrators, students, and practitioners, the revised third edition of Handbook of Health Social Work offers in one volume the entire body of health social work knowledge.

This volume, written by experts in the field, discusses the current understanding of the biophysical principles that govern RNA folding, with featured RNAs including the ribosomal RNAs, viral RNAs, and self-splicing introns. In addition to the fundamental features of RNA folding, the central experimental and computational approaches in the field are presented with an emphasis on their individual strengths and limitations, and how they can be combined to be more powerful than any method alone; these approaches include NMR, single molecule fluorescence, site-directed spin labeling, structure mapping, comparative sequence analysis, graph theory, coarse-grained 3D modeling, and more. This volume will be of interest to professional researchers and advanced students entering the field of RNA folding.

This book comprises select papers from the International Conference on Emerging Trends in Civil Engineering (ICETCE 2018). Latest research findings in different branches of civil engineering such as structural engineering, construction materials, geotechnical engineering, water resources engineering, environmental engineering, and transportation infrastructure are covered in this book. The book also gives an overview of emerging topics like smart materials and structures, green building technologies, and intelligent transportation system. The contents of this book will be beneficial for students, academicians, industrialists and researchers working in the field of civil engineering. The drying stage is important in biotechnological and chemical processes because it allows the pretreatment of feedstocks with different moisture contents for their physical or chemical transformation. Drying also enables the post-treatment of products for their final presentation and packaging, thus having wide application in the food, agro-industrial, pharmaceutical, and chemical industries. Current Drying Processes presents recent advances in the development of drying operations through the presentation of chapters dealing with theoretical and experimental aspects of different technologies, namely solar, convective, fluidized, and ultrasonic drying, for organic and inorganic materials. The proliferation of harmful phytoplankton in marine ecosystems can cause massive fish kills, contaminate seafood with toxins, impact local and regional economies and dramatically affect ecological balance. Real-time observations are essential for effective short-term operational forecasting, but observation and modelling systems are still being developed. This volume provides guidance for developing real-time and near real-time sensing systems for observing and predicting plankton dynamics, including harmful algal blooms, in coastal waters. The underlying theory is explained and current trends in research and monitoring are discussed. Topics covered include: coastal ecosystems and dynamics of harmful algal blooms; theory and practical applications of in situ and remotely sensed optical detection of microalgal distributions and composition; theory and practical applications of in situ biological and chemical sensors for targeted species and toxin detection; integrated observing systems and platforms for detection; diagnostic and predictive modelling of ecosystems and harmful algal blooms, including data assimilation techniques; observational needs for the public and government; and future directions for research and operations. In addition, the book offers developmental psychologists a wealth of valuable new non-verbal techniques for assessing causal understanding in young children."--BOOK JACKET.

The Quest for Artificial Intelligence Cambridge University Press

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