The Human Pedigree Book

• Chapter wise & Topic wise presentation for ease of learning • Quick Review for in depth study • Mind maps to unlock the imagination and come up with new ideas • Know the links R & D based links to empower the students with the latest information on the given topic • Tips & Tricks useful guideline for attempting questions in minimum time without any mistake •

Expert advice how to score more suggestions and ideas shared • Some commonly made errors Highlight the most common and unidentified mistakes made by students at all levels • All latest NCERT EXEMPLAR Question Fully – solved • Quick Response (QR codes) for a digital learning experience

The issue of congenital problems in popular breeds of dogs and cats is now much more public than a decade ago, yet brachycephalic breeds of dogs, hairless

cats, and munchkin cats continue to grow in popularity. The purpose of Picking a Pedigree is to raise public awareness of what constitutes a healthy pet, to inform what the medical implications of inherited features are, and describe the human-influenced breeding practices that have created manufactured problems for the sake of appearance and arbitrary breed standards. Picking a Pedigree is a book that all responsible prospective pet

owners should read before making a decision on acquiring a new puppy or kitten.
implications that go far beyond the cat family. --
Linking basic science to clinical application throughout, Histology and Cell Biology: An Introduction to Pathology, 5th Edition, helps students build a stronger clinical knowledge base in the challenging area of pathologic abnormalities. This award-

winning text presents key concepts in an understandable, easy-to-understand manner, with full-color illustrations, diagrams, photomicrographs, and pathology photos fully integrated on every page. Student-friendly features such as highlighted clinical terms, Clinical Conditions boxes, Essential Concepts boxes, concept mapping animations, and more help readers quickly grasp complex information. Features new content on cancer

immunotherapy, satellite cells and muscle repair, vasculogenesis and angiogenesis in relation to cancer treatment, and mitochondria replacement therapies. Presents new material on ciliogenesis, microtubule assembly and disassembly, chromatin structure and condensation, and X chromosome inactivation, which directly impact therapy for ciliopathies, infertility, cancer, and Alzheimer's disease. Provides thoroughly updated information

on gestational trophoblastic diseases, molecular aspects of breast cancer, and basic immunology, including new illustrations on the structure of the T-cell receptor, CD4+ cells subtypes and functions, and the structure of the human spleen. Uses a new, light green background throughout the text to identify essential concepts of histology – a feature requested by both students and instructors to quickly locate which concepts are most

important for beginning learners or when time is limited. These essential concepts are followed by more detailed information on cell biology and pathology. Contains new Primers in most chapters that provide a practical, self-contained integration of histology, cell biology, and pathology – perfect for clarifying the relationship between basic and clinical sciences. Identifies clinical terms throughout the text and lists all clinical boxes in the table

of contents for quick reference. Helps students understand the links between chapter concepts with concept mapping animations on Student ConsultTM – an outstanding supplement to in-class instruction.

Man's Place and Bread unique in Nature, and his pedigree human not simian. By a University Professor [A. Harvey].

A Definition of a Reversible Representation of a Data Structure as a Model for Human Pedigree Systems

Guide to Human Genome Computing
UGC NET unit-13 LIFE SCIENCE Methods in Biology book with 600 question answer as per updated syllabus
How to Choose a Healthy Puppy or Kitten

A Handbook of Clinical Genetics focuses on clinical genetics and the growing demand for genetic counseling. This book begins by introducing issues regarding changes in morbidity and mortality; fall in birth rate; advances in technology and treatment; and complex social changes. Other topics covered include genetic and environmental factors in disease; the genetic code; pedigree information; inheritance patterns; genetic counseling; prenatal diagnosis of genetic disease; special problems; and ethical issues

and future developments. The last portion of this text is devoted to a glossary of unfamiliar medical terms, list of recommended books for further research and study, and appendices consist of a case on genetic counseling for Down's syndrome. This handbook is suitable for nurses, medical students, and doctors needing an introduction to clinical genetics.

A compelling behind-the-scenes look at cutting-edge scientific inquiry, as well as a brilliant examination of the ramifications of genetic research, The Science of Desire is a lasting resource in the increasingly significant debate over the role that genetics plays in our lives. In July 1993, a scientific event made front-page news: the discovery that genetics plays a significant role in determining homosexuality. In The Science of Desire, Dean Hamer—the scientist behind the groundbreaking study—tells the inside story of

how the discovery was made and what it means, not only for our understanding of sexuality, but for human behavior in general. In this accessible and remarkably clear book, Dean Hamer expands on the account of his history-making research to explore the scientific, social, and ethical issues raised by his findings. Dr. Hamer addresses such tough questions as whether it would be possible or ethical to test in utero for the gay gene; whether genetic manipulation could or should be used to alter a person's sexuality; and how a gay gene could have survived evolution. A compelling behind-the-scenes look at cutting-edge scientific inquiry, as well as a brilliant examination of the ramifications of genetic research, The Science of Desire is a lasting resource in the increasingly significant debate over the role that genetics plays in our lives. The Oxford Dictionary of Medical Quotations is the one book that

all doctors will want on their shelves. Packed with quotations both old and new, from the famous, and the not so famous, this book will be both a valuable reference work, and a source of considerable entertainment.

"A good reference for statisticians and other analysts becoming involved in the popular field of 'gene mapping'." -- American Journal of Human Genetics

Picking a Pedigree

A Handbook of Clinical Genetics

Theoretical Aspects of Pedigree Analysis

Virtual Biology Laboratory and Human Heredity Best Bets Essential Genetics

Recognizing the significant advances made in the field of animal genetics in the ten

years since the first edition of "The Genetics of the Dog", this new edition of the successful 2001 book provides a comprehensive update on the subject, along with new material on topics of current and growing interest. Existing chapters on essential topics such as immunogenetics, genetics of diseases, developmental genetics and the genetics of behaviour have been fully updated, while new authors report on the latest advances in areas such as genetic diversity of dog breeds, canine genomics, olfactor.

Presenting a fun and educational way to explore the wonders of the world of science, this newly updated edition poses and answers 2,200 questions, providing an abundance of original and interesting science facts. Children and adults will uncover some of the most interesting, unusual, and quirky science curiosities such as: Are cell phones dangerous to your health? Is the same strain of yeast used to make different types of beer? What is the cleanest fossil fuel? What is the largest invertebrate? Readers will find

this informative and enjoyable resource is chock full of hundreds of intriguing science and technology topics, from the inner workings of the human body and outer space to math, computers, planes, trains, and automobiles.

The Human PedigreePedigree Analysis in Human GeneticsTHE HUMAN PEDIGREE : INHERITANCE AND THE GENETICS OF MANKINDTheoretical Aspects of Pedigree AnalysisRAMOT-TEL AVIV UNIVERSITY, ISRAELA Plea for Human PedigreeThe Pedigree of the Human RaceShe Has Her Mother's LaughThe

Powers, Perversions, and Potential of HeredityPenguin

Begins with molecular characterization of the human genome (rather than the conventional descriptions of Mendelian inheritance, pedigree analysis, and chromosome abnormalities), and maintains this emphasis on understanding human genetics in molecular terms throughout. Suitable as a text for biology

She Has Her Mother's Laugh

How To Construct Your Intellectual Pedigree: A History Of Mentoring In

Science
Oswaal NCERT Exemplar (Problems - solutions) Class 12 Biology Book (For 2022 Exam)
Oxford Dictionary of Medical Quotations
A New York, Mid-Atlantic Guide for Patients and Health Professionals
Every new copy includes access to the student companion website Updated throughout to reflect the latest discoveries in this fast-paced field, Essential Genetics: A Genomics Perspective, Sixth Edition, provides an accessible, student-friendly introduction

to modern genetics. Designed for the shorter, less comprehensive course, the Sixth Edition presents carefully chosen topics that provide a solid foundation to the basic understanding of gene mutation, expression, and regulation. It goes on to discuss the development and progression of genetics as a field of study within a societal and historical context. The Sixth Edition includes new learning objectives within each chapter which helps students identify what they should know as a result of their studying and highlights the skills they should acquire through various practice problems. What's new in the Sixth

Edition? Chapter 1 includes a new section on the origin of life Chapter 2 includes a revised discussion of the complementation test and how it is used to determine whether two mutations have defects in the same gene Chapter 3 incorporates new data showing that the folding of interphase chromatin into chromosome territories has the form of a fractal globule. It also includes a new section on progenitor cells and embryonic stem cells Chapter 4 includes a new section discussing how copy-number variation in human amylase evolved in response to increased dietary starch as well as the latest on hotspots of

recombination Chapter 5 is updated with the latest information on hazards of polycarbonate food containers. It also includes a new section on the genetics of schizophrenia and autism spectrum disorder Chapter 6 includes a revised section on restriction mapping and also discusses the newest massively parallel DNA sequencing technologies that can yield the equivalent of 200 human genomes' worth of DNA sequence in a single sequencing run Chapter 7 has been updated with a shortened and streamlined discussion of recombination in bacteriophage Chapter 8 includes new discoveries concerning the

mechanisms of intrinsic transcriptional termination as well as rho-dependent termination Chapter 9 is updated with a new section on stochastic effects on gene expression and an expanded discussion of the lactose operon. There is also a revised discussion of galactose gene regulation in yeast, as well as new sections on lon noncoding RNAs Chapter 10 includes new sections on ancient DNA sequences of the Neandertal and Denisovan genomes Chapter 11 examines master control genes in development Chapter 12 includes a new section on the repair of double-stranded breaks in DNA by nonhomologous

end joining or template-directed gap repair Chapter 13 has been extensively revised with the latest data on cancer. Chapter 14 includes a new section on the detection of natural selection, as well as a new section on conservation genetics Key Features of Essential Genetics, Sixth Edition: New Learning Objectives within each

Nelson Textbook of Pediatrics has been the world's most trusted pediatrics resource for nearly 75 years. Drs. Robert Kliegman, Bonita Stanton, Richard Behrman, and two new editors—Drs. Joseph St. Geme and Nina Schor—continue to provide the most

authoritative coverage of the best approaches to care. This streamlined new edition covers the latest on genetics, neurology, infectious disease, melamine poisoning, sexual identity and adolescent homosexuality, psychosis associated with epilepsy, and more. Understand the principles of therapy and which drugs and dosages to prescribe for every disease. Locate key content easily and identify clinical conditions quickly thanks to a full-color design and full-color photographs. Stay current on recent developments and hot topics such as melamine poisoning, long-term mechanical ventilation in the

acutely ill child, sexual identity and adolescent homosexuality, age-specific behavior disturbances, and psychosis associated with epilepsy. Tap into substantially enhanced content with world-leading clinical and research expertise from two new editors—Joseph St. Geme, III, MD and Nina Schor, MD—who contribute on the key subspecialties, including pediatric infectious disease and pediatric neurology. Manage the transition to adult healthcare for children with chronic diseases through discussions of the overall health needs of patients with congenital heart defects, diabetes, and cystic fibrosis.

Recognize, diagnose, and manage genetic conditions more effectively using an expanded section that covers these diseases, disorders, and syndromes extensively. Find information on chronic and common dermatologic problems more easily with a more intuitive reorganization of the section.

2019 PEN/E.O. Wilson Literary Science Writing Award Finalist "Science book of the year"—The Guardian One of New York Times 100 Notable Books for 2018 One of Publishers Weekly's Top Ten Books of 2018 One of Kirkus's Best Books of 2018 One of Mental Floss's Best Books of 2018 One of Science

Friday's Best Science Books of 2018
“Extraordinary”—New York Times Book Review "Magisterial"—The Atlantic "Engrossing"—Wired "Leading contender as the most outstanding nonfiction work of the year"—Minneapolis Star-Tribune Celebrated New York Times columnist and science writer Carl Zimmer presents a profoundly original perspective on what we pass along from generation to generation. Charles Darwin played a crucial part in turning heredity into a scientific question, and yet he failed spectacularly to answer it. The birth of genetics in the early 1900s seemed to do precisely that.

Gradually, people translated their old notions about heredity into a language of genes. As the technology for studying genes became cheaper, millions of people ordered genetic tests to link themselves to missing parents, to distant ancestors, to ethnic identities... But, Zimmer writes, “Each of us carries an amalgam of fragments of DNA, stitched together from some of our many ancestors. Each piece has its own ancestry, traveling a different path back through human history. A particular fragment may sometimes be cause for worry, but most of our DNA influences who we are—our appearance, our height, our

penchants—in inconceivably subtle ways." Heredity isn't just about genes that pass from parent to child. Heredity continues within our own bodies, as a single cell gives rise to trillions of cells that make up our bodies. We say we inherit genes from our ancestors—using a word that once referred to kingdoms and estates—but we inherit other things that matter as much or more to our lives, from microbes to technologies we use to make life more comfortable. We need a new definition of what heredity is and, through Carl Zimmer's lucid exposition and storytelling, this resounding tour de force delivers

it. Weaving historical and current scientific research, his own experience with his two daughters, and the kind of original reporting expected of one of the world's best science journalists, Zimmer ultimately unpacks urgent bioethical quandaries arising from new biomedical technologies, but also long-standing presumptions about who we really are and what we can pass on to future generations.

The purpose of this manual is to provide an educational genetics resource for individuals, families, and health professionals in the New York - Mid-Atlantic region and increase awareness of specialty

care in genetics. The manual begins with a basic introduction to genetics concepts, followed by a description of the different types and applications of genetic tests. It also provides information about diagnosis of genetic disease, family history, newborn screening, and genetic counseling. Resources are included to assist in patient care, patient and professional education, and identification of specialty genetics services within the New York - Mid-Atlantic region. At the end of each section, a list of references is provided for additional information. Appendices can be copied for reference and offered to patients. These

take-home resources are critical to helping both providers and patients understand some of the basic concepts and applications of genetics and genomics.

Pets and People

The Human Pedigree

Wild Cats of the World

THE HUMAN PEDIGREE : INHERITANCE AND THE GENETICS OF MANKIND

Human Population Genetics and Genomics

The Guide to Human Genome Computing is invaluable to scientists who wish to make use of the powerful computing tools now available to assist

them in the field of human genome analysis. This book clearly explains access and use of sequence databases, and presents the various computer packages used to analyze DNA sequences, measure linkage analysis, compare and align DNA sequences from different genes or organisms, and infer structural and functional information about proteins from sequence data. This Second Edition contains completely updated material. Rather than a revision of the previous volume, the Second Edition is essentially a new book, based on the subjects which will be of interest over the coming years. This new book is international, both in scope and authorship. Computing resources for the following are clearly

explained: Internet resources - databases etc. Genetic analysis Sib-pair studies Comparative mapping Radiation hybrids Sequence ready clone maps Human genome sequencing ESTs Gene prediction Gene expression

UGC NET LIFE SCIECNE unit-13

UGC NET LIFE SCIECNE unit-8

Excerpt from Treasury of Human Inheritance, Vol. 1 For a publication of this kind to be successful at the present time, it should, as I have indicated above, be entirely free from controversial matter. The T reasmy of Human Inheritance therefore contains no reference to theoretical opinions. It gives in a standardised form the pedigree of each stock. This is

accompanied by a few pages of text describing the individual members of the stock, giving references to authorities, and, if the material has been published, to the locus of original publication. When necessary the characteristic is illustrated by photography or radiography. In this way, it is hoped in the course of a few years to place a large mass of material in the hands of the student of human heredity. It will not cut him off from, but directly guide him to original and fuller sources of information. Further the Treasury will provide students of eugenics and of sociology, medical men and others with an organ where their investigations can find ready publication, and where as time goes on a higher and more

complete standard of family history than has hitherto been usual can be maintained. Each pedigree and its description appears under the name of the author responsible for its completeness and accuracy; and by aid of a key number to a confidential manuscript register of names and localities, it is hoped that it may be occasionally possible for future investigators to recover traces of individual stocks, or to ascertain whether newly discovered cases can be linked on to previously recorded families'. No one who has attempted a collection of this kind drawn from many quarters and prepared by different writers, will be over severe on discrepancies and omissions in the earlier issues. The full work of standardisation can

only be carried out as the diverse needs of different types of family characters are better appreciated. It is not always possible to maintain a proper balance between the graphic and verbal descrip tions but I wish most strongly to insist on the point that neither are to be interpreted alone they are component parts of one whole, and the reader who draws conclusions from the engraved pedigrees without consulting the verbal accounts is certain to be led into error. Presence or absence of a character cannot be settled by the simple blacking or omitting to black a circle. The description is practically that of the original observer, whereas the pedigree is the work of the author of the special section of the Treasury and he

may under or over-estimate the statement presented to him. As general editor, I feel sure that much care has been taken to reach an unbiassed judgment, and I know that contributors and members of this laboratory have Spent many days of labour in following up both original pedigrees and pedigrees in dissertations, books and journals very hard indeed of access. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing

imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

The Handy Science Answer Book

The Practical Guide to the Genetic Family History

A Biting History of Pedigree Dogs and How the Quest for Status Has Harmed Man's Best Friend

Genetics and Pedigree Analysis

Nelson Textbook of Pediatrics E-Book

Updated to reflect the newest changes in genetics, Thompson &

Thompson's Genetics in Medicine returns as one of the most favored texts in this fascinating and rapidly evolving field. By integrating the classic principles of human genetics with modern molecular genetics, this medical reference book utilizes a variety of learning tools to help you understand a wide range of genetic disorders. Acquire the state-of-the-art knowledge you need on the latest advances in molecular diagnostics, the Human Genome Project, pharmacogenetics, and bio-informatics. Better understand the relationship between basic genetics and clinical medicine with a variety of clinical case studies. Recognize a wide range of genetic disorders with visual guidance from more than 240 dynamic illustrations and high-quality photos. Immerse yourself in updated graphics, full-color text, illustrations, line diagrams, and clinical photos of genetic diseases. Explore the latest genetic content

available in order to remain up to date on the most current trends in the field. Take advantage of a double-page clinical case study section that demonstrates and reinforces general principles of disease inheritance, pathogenesis, diagnosis, management, and counseling. Enhance your critical thinking skills and better retain information. Each chapter ends with up to 5 quick genetic "problems" related to what has just been reviewed, with answers provided in the back of the book.

A provocative look at the “cult of pedigree” and an entertaining social history of purebred dogs In this illuminating and entertaining social history, social critic Michael Brandow probes the “cult of pedigree” and traces the commercial rise of the purebred dog. Combining consumer studies with sharp commentary, A Matter of Breeding reveals the sordid history of the dog industry and shows

how our brand-name pets—from Labs to French bulldogs and everything in between—pay the price with devastatingly poor health. From the Trade Paperback edition.

The Practical Guide to The Genetic Family History Robin L. BennettCompiling the most recent genetic developments in medicalspecialties, The Practical Guide to the Genetic Family History is avaluable resource which outlines the proper methods for taking andrecording a patient's family medical history, allowing primary carephysicians to be more efficient in diagnosing conditions withpotential genetic components. With genetic screening forms, anoverview of directed questions, pedigree nomenclature, andoutlining common approaches used, genetic counselor Robin L.Bennett provides readers with the basic foundation in humangenetics necessary to recognize inherited disorders and

familialdisease susceptibility in patients. As the only guide which isgeared for the physician in this field, The Practical Guide to theGenetic Family History includes remarks by renowned medicalgeneticist Arno Motulsky, as well as information on structuring anaccurate pedigree and its components, including: * Using a pedigree to identify individuals with an increasedsusceptibility to cancer * Family history, adoption, and their challenges * The connection between the pedigree and assisted reproductivetechnologies * Making referrals for genetic services * Neurological and neuromuscular conditions * Tables covering hearing loss, mental retardation, dementia, andseizures * Five case studies of genetics in practice An essential reference for genetics clinics, medical geneticists,and counselors, The Practical Guide to the Genetic Family Historyis also an invaluable aid for both primary

care and specialistphysicians who need an up-to-date reference that emphasizes boththe science and art of modern clinical genetics.
This book examines the social world of the cat fancy, or the leisure activity of breeding and exhibiting pedigree cats. Based on multispecies ethnographic fieldwork and interviews in the United Kingdom, it explores the process and performance of exhibiting cats at shows, the breeding practices and discourses integral to the creation of pedigree breeds, and the relations that these practices generate between human guardians, the pedigree cat population, and non-pedigree cats. Through observation with cat fanciers and their interactions with their cats, the author investigates the social dynamics and relationships that form within the fancy, considering the interconnections between biopower and eugenics in pedigree breeding, the practices of pet keeping and the complexities of more-

than-human care, and the implications of involvement for the cats themselves. As such, Cat People: Human–Cat Interrelatedness in the Cat Fancy will appeal to scholars from across the social sciences and humanities interested in human–animal interactions, multispecies leisure, anthrozoology, and more-than-human care.

A Beginner's Guide to Genetics and Its Applications

The Gay Gene and the Biology of Behavior

Thompson & Thompson Genetics in Medicine E-Book

The Pedigree of the Human Race

A Matter of Breeding

CengageNOW is an easy-to-use online resource that helps you study in less time to get the grade you want.

Covering newsworthy aspects of contemporary biology—gene therapy, the Human Genome Project, DNA

testing, and genetic engineering—as well as fundamental concepts, this book, written specifically for nonbiologists, discusses classical and molecular genetics, quantitative and population genetics—including cloning and genetic diseases—and the many applications of genetics to the world around us, from genetically modified foods to genetic testing. With minimal technical terminology and jargon, Genes and DNA facilitates conceptual understanding. Eschewing the organization of traditional genetics texts, the authors have provided an organic progression of information: topics are introduced as needed, within a broader framework that makes them meaningful for nonbiologists. The book encourages the reader to think independently, always

stressing scientific background and current facts. Relationship Inference in Familias and R discusses the use of Familias and R software to understand genetic kinship of two or more DNA samples. This software is commonly used for forensic cases to establish paternity, identify victims or analyze genetic evidence at crime scenes when kinship is involved. The book explores utilizing Familias software and R packages for difficult situations including inbred families, mutations and missing data from degraded DNA. The book additionally addresses identification following mass disasters, familial searching, non-autosomal marker analysis and relationship inference using linked markers. The second part of the book focuses on more statistical issues such

as estimation and uncertainty of model parameters. Although written for use with human DNA, the principles can be applied to non-human genetics for animal pedigrees and/or analysis of plants for agriculture purposes. The book contains necessary tools to evaluate any type of forensic case where kinship is an issue. This volume focuses on the core material and omits most general background material on probability, statistics and forensic genetics Each chapter includes exercises with available solutions The web page familias.name contains supporting material

Human Population Genetics and Genomics provides researchers/students with knowledge on population genetics and relevant statistical approaches to help them

become more effective users of modern genetic, genomic and statistical tools. In-depth chapters offer thorough discussions of systems of mating, genetic drift, gene flow and subdivided populations, human population history, genotype and phenotype, detecting selection, units and targets of natural selection, adaptation to temporally and spatially variable environments, selection in age-structured populations, and genomics and society. As human genetics and genomics research often employs tools and approaches derived from population genetics, this book helps users understand the basic principles of these tools. In addition, studies often employ statistical approaches and analysis, so an understanding of basic statistical theory is also needed.

Comprehensively explains the use of population genetics and genomics in medical applications and research Discusses the relevance of population genetics and genomics to major social issues, including race and the dangers of modern eugenics proposals Provides an overview of how population genetics and genomics helps us understand where we came from as a species and how we evolved into who we are now

The Ethics of Companion Animals

Cat People: Human–Cat Interrelatedness in the Cat Fancy

Histology and Cell Biology: An Introduction to Pathology E-Book

The Biology and Conservation of Wild Felids

Human Genetics

Did you know that European royalty once used cheetahs to hunt deer, or that caracals can capture birds by leaping six and a half feet straight up into the air from a standing start? Have you ever wondered whether domestic cats really do land on their feet when they fall, or how Canada lynx can stalk their prey in the winter without falling through the deep snow? Wild Cats of the World is a treasure trove of answers to questions like these, and many others, for anyone who's interested in learning more about the world's felids, including the ones with whom we share our homes. Mel and Fiona Sunquist have spent more than a decade gathering

information about cats from every available source, many of them quite difficult to find, including scientific papers, descriptions of hunts, archeological findings, observations by naturalists and travelers, reports from government agencies, and newsletters from a wide variety of organizations. Weaving information from these sources together with their own experiences observing wild cats around the world, the Sunquists have created the most comprehensive reference on felids available. Each of their accounts of the 36 species of cat contains a description of the cat, including human interactions with it, as well as detailed data on its

distribution, ecology and behavior, status in the wild, and efforts to conserve it. Numerous photographs, including more than 40 in full color, illustrate these accounts. Ranging from the two-pound black-footed cat to the five-hundred-pound tiger, and from the African serval with its satellite-dish ears to the web-footed fishing cat of Asia, Wild Cats of the World will fascinate and educate felid fans of any stripe (or spot).

Animal ethics is generating growing interest both within academia and outside it. This book focuses on ethical issues connected to animals who play an extremely important role in human lives: companion animals

("pets"), with a special emphasis on dogs and cats, the animals most often chosen as pets. Companion animals are both vulnerable to and dependent upon us. What responsibilities do we owe to them, especially since we have the power and authority to make literal life-and-death decisions about them? What kinds of relationships should we have with our companion animals? And what might we learn from cats and dogs about the nature and limits of our own morality? The contributors write from a variety of philosophical perspectives, including utilitarianism, care ethics, feminist ethics, phenomenology, and the genealogy of ideas. The

eighteen chapters are divided into two sections, to provide a general background to ethical debate about companion animals, followed by a focus on a number of crucial aspects of human relationships to companion animals. The first section discusses the nature of our relationships to companion animals, the foundations of our moral responsibilities to companion animals, what our relationships with companion animals teach us, and whether animals themselves can act ethically. The second part explores some specific ethical issues related to crucial aspects of companion animals' lives-breeding, reproduction, sterilization, cloning, adoption, feeding,

training, working, sexual interactions, longevity, dying, and euthanasia.

This is a handbook that shows the reader how to construct an intellectual pedigree. It is also a history of science monograph because the completed intellectual pedigrees can be used individually or collectively to trace the influences of mentoring in the life sciences. The author uses Hermann Joseph Muller (1890-1967) (which includes his own intellectual pedigree) to show how knowledge was shifted from Italy to Germany and England, to France, and then to the American Colonies. Through Muller, the author goes in two directions, one

leading to Huxley, Darwin, and Newton. The second leads to Agassiz, Malpighi, Borelli, and Galileo. The author also shows, from comparing 60 additional intellectual pedigrees, that about one third go to Newton, one third to Galileo and the rest to other icons of the past (e.g., Linnaeus, Lavoisier, Gay-Loussac, Leibniz). It shows how small was the pool of available scientists in the universities before the mid-19th century.This book will stimulate graduate students and faculty to construct their own intellectual pedigrees. It will also be of interest to historians and philosophers of science. The book discusses the role of mentoring, dividing this into inputs

of intellectual development as well as outputs of development, using timelines arranged as circles. For each mentor, a brief account is given of that person's work and relation to the subject of the pedigree.
The Powers, Perversions, and Potential of Heredity
A Plea for Human Pedigree
Pedigree Analysis in Human Genetics
Statistical Methods in Forensic Genetics
Handbook of Human Genetic Linkage