B Ed Books Psychology Nagarajan Tamil

. Renewal of Life by Transmission. The most notable distinction between living and inanimate things is that the former maintain themselves by renewal. A stone when struck resists. If its resistance is greater than the force of the blow struck, it remains outwardly unchanged. Otherwise, it is shattered into smaller bits. Never does the stone attempt to react in such a way that it may maintain itself against the blow, much less so as to render the blow a contributing factor to its own continued action. While the living thing may easily be crushed by superior force, it none the less tries to turn the energies which act upon it into means of its own further existence. If it cannot do so, it does not just split into smaller pieces (at least in the higher forms of life), but loses its identity as a living thing. As long as it endures, it struggles to use surrounding energies in its own behalf. It uses light, air, moisture, and the material of soil. To say that it uses them is to say that it turns them into means of its own conservation. As long as it is growing, the energy it expends in thus turning the environment to account is more than compensated for by the return it gets: it grows. Understanding the word "control" in this sense, it may be said that a living being is one that subjugates and controls for its own continued activity the energies that would otherwise use it up. Life is a self-renewing process through action upon the environment.

This seminal work—now available in a 15th anniversary edition with a new preface—is a thorough introduction to the historical and theoretical origins of postcolonial theory. Provides a clearly written and wide-ranging account of postcolonialism, empire, imperialism, and colonialism, written by one of the leading scholars on the topic Details the history of anti-colonial movements and their leaders around the world, from Europe and Latin America to Africa and Asia Analyzes the ways in which freedom struggles contributed to postcolonial discourse by producing fundamental ideas about the relationship between non-western and western societies and cultures Offers an engaging yet accessible style that will appeal to scholars as well as introductory students

Research shows that between birth and early adulthood the brain requires sensory stimulation to develop physically. The nature of the stimulation shapes the connections among neurons that create the neuronal networks necessary for thought and behavior. By changing the cultural environment, each generation shapes the brains of the next. By early adulthood, the neuroplasticity of the brain is greatly reduced, and this leads to a fundamental shift in the relationship between the individual and the environment: during the first part of life, the brain and mind shape themselves to the major recurring features of their environment; by early adulthood, the individual attempts to make the environment conform to the established internal structures of the brain and mind. In Brain and Culture, Bruce Wexler explores the social implications of the close and changing neurobiological relationship between the individual and the environment, with

particular attention to the difficulties individuals face in adulthood when the environment changes beyond their ability to maintain the fit between existing internal structure and external reality. These difficulties are evident in bereavement, the meeting of different cultures, the experience of immigrants (in which children of immigrant families are more successful than their parents at the necessary internal transformations), and the phenomenon of interethnic violence. Integrating recent neurobiological research with major experimental findings in cognitive and developmental psychology—with illuminating references to psychoanalysis, literature, anthropology, history, and politics—Wexler presents a wealth of detail to support his arguments. The groundbreaking connections he makes allow for reconceptualization of the effect of cultural change on the brain and provide a new biological base from which to consider such social issues as "culture wars" and ethnic violence.

The Routledge International Companion to Educational Psychology brings together expert practitioners, researchers, and teachers from five continents to produce a unique and global guide to the core topics in the field. Each chapter includes coverage of the key thinkers, topic areas, events, and ideas that have shaped the field, but also takes the reader beyond typical textbook material and into engagement with current issues, cutting-edge research and future directions in the field of educational psychology from an international perspective. With over 30 chapters, the volume is divided into four themed sections: ‘An introduction to educational psychology’, ‘How children learn and develop’, ‘Issues concerning the assessment of children’ and ‘Identifying and meeting the needs of children with learning difficulties’. Covering the key issues and fundamental strands of educational psychology The Routledge International Companion to Educational Psychology aims to provide the reader with knowledge of: educational psychology (history, child rights, and practice); factors which influence children’s learning and development; issues to do with assessment (a key aspect of educational psychology); special educational needs (identification and how to meet their needs); the key thinkers, events, and ideas that have shaped the field; the core topics across educational psychology in an accessible manner; cutting edge research including recent research evidence and theory; future directions in the field of educational psychology; educational psychology from an international perspective. The book is conceived for both student and researcher use, and considers the implications for educational psychology practice in all sections. It will be highly beneficial for both students and lecturers on Education Studies and Psychology undergraduate courses, as well as combined undergraduate degrees .

Coud reliability engineering is a leading issue of cloud services. Cloud service providers guarantee computation, storage and applications through service-level agreements (SLAs) for promised levels of performance and uptime. Cloud Reliability Engineering: Technologies and Tools presents case studies examining cloud services, their challenges, and the reliability mechanisms used by cloud service providers. These case studies provide readers with techniques to

harness cloud reliability and availability requirements in their own endeavors. Both conceptual and applied, the book explains reliability theory and the best practices used by cloud service companies to provide high availability. It also examines load balancing, and cloud security. Written by researchers and practitioners, the book's chapters are a comprehensive study of cloud reliability and availability issues and solutions. Various reliability class distributions and their effects on cloud reliability are discussed. An important aspect of reliability block diagrams is used to categorize poor reliability of cloud infrastructures, where enhancement can be made to lower the failure rate of the system. This technique can be used in design and functional stages to determine poor reliability of a system and provide target improvements. Load balancing for reliability is examined as a migrating process or performed by using virtual machines. The approach employed to identify the lightly loaded destination node to which the processes/virtual machines migrate can be optimized by employing a genetic algorithm. To analyze security risk and reliability, a novel technique for minimizing the number of keys and the security system is presented. The book also provides an overview of testing methods for the cloud, and a case study discusses testing reliability, installability, and security. A comprehensive volume, Cloud Reliability Engineering: Technologies and Tools combines research, theory, and best practices used to engineer reliable cloud availability and performance.

With the proclamation of human rights and impact of the philosophy of humanism, there has been a worldwide call for providing humane treatment to the disabled and putting an end to their isolation. Written in the same context, the book developed as per the issued directives of NCTE equips its readers with the knowledge, understanding, skills, interests and attitude needed for working in the inclusive schools. It acquaints them with all the essentials related to the nature of the different types of disabilities or impairments, diversities and exceptionalities of the children belonging to an inclusive school, the need and means of introducing the required adaptations in the environmental conditions, curriculum, teaching-learning strategies, teaching-learning aids and equipment, methods of assessing the progress of the diverse children, and likewise so many other things and requirements for fulfilling their responsibilities towards the diverse children in the inclusive set-up of the school. It is primarily designed for the students of secondary and elementary teacher education (B.Ed., B.El. Ed., D.Ed.) of the teacher training institutes. KEY FEATURES • Full coverage of the current syllabi prescribed for B. Ed., B. El. Ed. and D. Ed. in a user-friendly language • Comprehensive description of the various aspects of inclusive education and children with special needs (CWSN) such as historical perspectives to disability and inclusive education, needed pedagogical and assessment approaches for CWSN, educational provisions for the disabled at national and international levels, and so forth • Inclusion of recent topics such as learning styles in the context of different types of disabilities and CWSN, forms of exclusions on various grounds including disabilities in Indian education,

approaches and models of inclusion, individual education programme, assistive and adaptive technologies, and so on • Comprises chapter-end summary for quick glance of the concepts TARGET AUDIENCE • B.Ed. • B. El. Ed. • D.Ed.

Data Structures using Python provides an introduction to design, analysis, and implementation of data structures using the powerful programming language, Python. This book is designed for a first course on the subject. It is written for the undergraduate engineering students of Computer Science, Information Technology, and allied disciplines.

The book thoroughly explains various theories and concepts applied in the field of learning and teaching. It orderly describes effective techniques and methods by using descriptive analytical approach and methodology. It covers in the intelligible form a wide spectrum of information inclusive of that required for the compulsory paper “Learning and Teaching” incorporated in the curriculum of B.Ed. courses of various Indian universities in accordance with the guidelines of National Council for Teacher Education (NCTE). The book discusses the nature and importance of learning theories propagated by behaviourists, cognitivists and humanists. It also focuses on pedagogy, andragogy, models of teaching, tasks and process of learning, strategies of teaching, learning styles, concepts of e-learning and m-learning in the applications of ICT. KEY FEATURES : • Full coverage of syllabi of all the Indian universities • Diligently arranged chapters for the sequential learning • Comprehensive explanation with illustrative examples and case studies • Explicit figures, tables and diagrams for easy interpretation • Summary at each chapter-end for quick review The book is primarily intended to B.Ed. students. Besides, the text is also of immense value to the students of B. EL Ed., M.Ed., MA (Ed.), M.Phil., and teachers, training professionals and counsellors.

This book deals with matrix methods of structural analysis for linearly elastic framed structures. It starts with background of matrix analysis of structures followed by procedure to develop force-displacement relation for a given structure using flexibility and stiffness coefficients. The remaining text deals with the analysis of framed structures using flexibility, stiffness and direct stiffness methods. Simple programs using MATLAB for the analysis of structures are included in the appendix. Key Features Explores matrix methods of structural analysis for linearly elastic framed structures Introduces key concepts in the development of stiffness and flexibility matrices Discusses concepts like action and redundant coordinates (in flexibility method) and active and restrained coordinates (in stiffness method) Helps reader understand the background behind the structural analysis programs Contains solved examples and MATLAB codes

Note: This is the loose-leaf version of Human Learning and does not include access to the Pearson eText. To order the Pearson eText packaged with the loose-leaf version, use ISBN 0134040996. The market-leading education textbook on learning theories, Human Learning looks at a broad range of theoretical perspectives, including behaviorist, social cognitive, cognitive, constructivist, contextual, and developmental theories. It describes associationistic processes, such as classical and operant conditioning, as well as more complex and distinctly human processes such as metacognition, self-regulated learning, and critical thinking. Using a many concrete examples and specific classroom applications, plus a lucid, conversational writing style that truly speaks to students, the author engages students from the start, and makes the concepts, principles, and theories related to human learning and cognition meaningful. The new Seventh Edition

features a condensed format, which ideally accommodates typical semester-long courses, coverage of a variety of new topics that have emerged in recent research, and significant updates to include such information as technological innovations in instruction and the neurological underpinnings of learning and behavior.

The book provides research-based information about the realities of setting up and running problem-based programmes using technology in a variety of ways. It also captures the diversity of use of technology with PBL across disciplines and countries, providing vital input into the literature on the theory and practice of PBL online.

Dr. James W. Kalat's BIOLOGICAL PSYCHOLOGY is the most widely used text in the course area, and for good reason: an extremely high level of scholarship, clear and occasionally humorous writing style, and precise examples. Throughout all eleven editions, Kalat's goal has been to make biological psychology accessible to psychology students, not just to biology majors and pre-meds. Another goal has been to convey the excitement of the search for biological explanations of behavior, and Kalat delivers. Updated with new topics, examples, and recent research findings--and supported by new online bio-labs, part of the strongest media package yet--this text speaks to today's students and instructors. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This title is only available as a loose-leaf version with Pearson eText. This access code card provides access to the Pearson eText. The market-leading education textbook on learning theories, Human Learning looks at a broad range of theoretical perspectives, including behaviorist, social cognitive, cognitive, constructivist, contextual, and developmental theories. It describes associationistic processes, such as classical and operant conditioning, as well as more complex and distinctly human processes such as metacognition, self-regulated learning, and critical thinking. Using a many concrete examples and specific classroom applications, plus a lucid, conversational writing style that truly speaks to students, the author engages students from the start, and makes the concepts, principles, and theories related to human learning and cognition meaningful. The new Seventh Edition features a condensed format, which ideally accommodates typical semester-long courses, coverage of a variety of new topics that have emerged in recent research, and significant updates to include such information as technological innovations in instruction and the neurological underpinnings of learning and behavior.

Dynamics is increasingly being identified by consulting engineers as one of the key skills which needs to be taught in civil engineering degree programs. This is driven by the trend towards lighter, more vibration-prone structures, the growth of business in earthquake regions, the identification of new threats such as terrorist attack and the increased availability of sophisticated dynamic analysis tools. Martin Williams presents this short, accessible introduction to the area of structural dynamics. He begins by describing dynamic systems and their representation for analytical purposes. The two main chapters deal with linear analysis of single (SDOF) and multi-degree-of-freedom (MDOF) systems, under free vibration and in response to a variety of forcing functions. Hand analysis of continuous systems is covered briefly to illustrate the key principles. Methods of calculation of non-linear dynamic response is also discussed. Lastly, the key principles of random vibration analysis are presented – this approach is crucial for wind engineering and is increasingly important for other load cases. An appendix briefly summarizes relevant mathematical techniques. Extensive use is made of worked examples, mostly drawn from civil engineering (though not exclusively – there is considerable benefit to be gained from emphasizing the commonality with other branches of engineering). This introductory dynamics textbook is aimed at upper level civil engineering undergraduates and those starting an M.Sc. course in the area.

This volume presents research findings on the use of technology to support learning and reasoning in collaborative contexts. Featuring a variety of theoretical perspectives, ranging from sociocultural to social psychological to information processing views, Collaborative Learning, Reasoning, and Technology includes an international group of authors well known for their contributions to research on technology learning environments. Two themes are central: the use of technology as a scaffold for learning, and the use of technology to promote argumentation and reasoning. Collaboration among peers is a key element in both of these strands. These foci highlight, respectively, a key element in the design of technology-based learning environments and a key outcome that can result from online instruction/learning. As a whole, the volume addresses some of the core issues in using technology to support collaborative learning, reasoning, and argumentation.

PEDAGOGY OF COMPUTER SCIENCELulu.comCHILDHOOD AND GROWING UPPHI Learning Pvt. Ltd.

Handbook of Educational Psychology and Students with Special Needs provides educational and psychological researchers, practitioners, policy-makers, and graduate students with critical expertise on the factors and processes relevant to learning for students with special needs. This includes students with attention-deficit/hyperactivity disorder, other executive function difficulties, behavior and emotional disorders, autism spectrum disorder, intellectual disabilities, learning disabilities, dyslexia, language and communication difficulties, physical and sensory disabilities, and more. With the bulk of educational psychology focused on "mainstream" or "typically developing" learners, relatively little educational psychology theory, research, measurement, or practice has attended to students with "special needs." As clearly demonstrated in this book, the factors and processes studied within educational psychology—motivation and engagement, cognition and neuroscience, social-emotional development, instruction, home and school environments, and more—are vital to all learners, especially those at risk or disabled. Integrating guidance from the DSM-5 by the American Psychiatric Association and the International Classification of Diseases (ICD-10) by the World Health Organization, this book synthesizes and builds on existing interdisciplinary research to establish a comprehensive case for effective psycho-educational theory, research, and practice that address learners with special needs. Twenty-seven chapters by experts in the field are structured into three parts on diverse special needs categories, perspectives from major educational psychology theories, and constructs relevant to special needs learning, development, and knowledge building.

The book, with comprehensive and practicable coverage, acquaints its readers with thorough knowledge and skills to help the growing children in their proper growth and development enabling them to reach the limit of their excellence on one hand, and instilling in them the sense of responsibility towards their society and nation on the other hand. It dwells on the essential topics such as nature of the process of growth and development going on at the various ages and developmental stages of children, their developmental needs and characteristics, individual differences and diversities existing among them, development of various abilities and capacities like intelligence, creativity, and overall personality characteristics, nature of the age-linked behavioural problems, adjustment and mental health, parenting styles, and

methods of dealing with the behavioural problems, adjustment, and stressful conditions of the developing children. The text equips the readers with all what is in demand for helping the developing children at this juncture of rapid industrialisation, globalisation, urbanisation, modernisation and economic change. It is primarily designed for the undergraduate students of education and elementary education. KEY FEATURES • Incorporates quite advanced topics such as emotional intelligence, use of reflective journals, anecdotal records and narratives as method of understanding child's behaviour, and so on • Includes detailed discussion of theories of child development, theories of learning, theories of intelligence, theories of achievement motivation, theories of creativity, and theories of personality • Offers engaging language and user-friendly mode of discussion • Adequately illustrated with examples, figures and tables • Comprises chapter-end summary for quick glance of the concepts.

This title is only available as a loose-leaf version with Pearson eText. The market-leading education textbook on learning theories, Human Learning looks at a broad range of theoretical perspectives, including behaviorist, social cognitive, cognitive, constructivist, contextual, and developmental theories. It describes associationistic processes, such as classical and operant conditioning, as well as more complex and distinctly human processes such as metacognition, self-regulated learning, and critical thinking. Using a many concrete examples and specific classroom applications, plus a lucid, conversational writing style that truly speaks to students, the author engages students from the start, and makes the concepts, principles, and theories related to human learning and cognition meaningful. The new Seventh Edition features a condensed format, which ideally accommodates typical semester-long courses, coverage of a variety of new topics that have emerged in recent research, and significant updates to include such information as technological innovations in instruction and the neurological underpinnings of learning and behavior. 0134040996 / 9780134040998 Human Learning, Pearson eText with Loose-Leaf Version -- Access Card Package Package consists of: 013357928X / 9780133579284 Human Learning, Loose-Leaf Version 013397247X / 9780133972474 Human Learning, Pearson eText -- Access Card

This comprehensive book is useful for CTET & Other Teacher Recruitment Exams and also useful for B.Ed, B.El.Ed & DIET Entrance Exams for the purpose of Study and practice of questions based on the latest pattern of the examination. This book included Study Material, Detailed Answers have also been provided for the questions for Better Understanding of the Candidates.

Educational Neuroscience presents a series of readings from educators, psychologists, and neuroscientists that explore the latest findings in developmental cognitive neurosciences and their potential applications to education. Represents a new research area with direct relevance to current educational practices and policy making Features individual chapters

written collaboratively by educationalist, psychologists, and neuroscientists to ensure maximum clarity and relevance to a broad range of readers Edited by a trio of leading academics with extensive experience in the field

Web services, cloud computing, location based services, NoSQLdatabases, and Semantic Web offer new ways of accessing, analyzing, and elaborating geo-spatial information in both real-world and virtual spaces. This book explores the how-to of the most promising recurrent technologies and trends in GIS, such as Semantic GIS, Web GIS, Mobile GIS, NoSQL Geographic Databases, Cloud GIS, Spatial Data Warehousing-OLAP, and Open GIS. The text discusses and emphasizes the methodological aspects of such technologies and their applications in GIS.

The principles of Total Quality Management have proven to be invaluable to organisations in all sectors of business and commerce and to the individuals they comprise. Indeed many organisations have discovered the relationship between quality and profitability. Now, more than ever, it is important to develop a quality strategy by adopting the principles of TQM. This important text provides a solid framework for understanding the basic concepts of TQM. It comprises three interlinked modules - fundamentals of TQM, methods of TQM and process management and improvement - and provides an integrated approach to this increasingly important business strategy. Fundamentals of Total Quality Management is vital reading for students doing MBAs, and those on MSc courses in business studies and engineering featuring TQM models, as well as practitioners in quality management and control.

Video Research in the Learning Sciences is a comprehensive exploration of key theoretical, methodological, and technological advances concerning uses of digital video-as-data in the learning sciences as a way of knowing about learning, teaching, and educational processes. The aim of the contributors, a community of scholars using video in their own work, is to help usher in video scholarship and supportive technologies, and to mentor video scholars, so that video research will meet its maximum potential to contribute to the growing knowledge base about teaching and learning. This volume contributes deeply to both to the science of learning through in-depth video studies of human interaction in learning environments—whether classrooms or other contexts—and to the uses of video for creating descriptive, explanatory, or expository accounts of learning and teaching. It is designed around four themes—each with a cornerstone chapter that introduces and synthesizes the cluster of chapters related to it: Theoretical frameworks for video research; Video research on peer, family, and informal learning; Video research on classroom and teacher learning; and Video collaboratories and technological futures. Video Research in the Learning Sciences is intended for researchers, university faculty, teacher educators, and graduate students in education, and for anyone interested in how knowledge is expanded using video-based technologies for inquiries about learning and teaching. Visit the Web site affiliated with this book: www.videoresearch.org

Research in educational psychology has had a huge impact in terms of enhancing understanding and challenging thinking about teachers and learners. Educational Psychology: Concepts, Research and Challenges brings together the latest research across many areas of educational psychology, introducing and reporting on the most effective methodologies for studying teachers and learners and providing overviews of current debates within the field. With chapters from international authors, this academic text reveals theoretical overviews and research findings from across the field including: teaching and learning research methods motivation and instruction curriculum – reading, writing, mathematics cognition special educational needs and behaviour management sociocultural and socioemotional perspectives assessment and evaluation. Educational psychology has historically had a focus on students with particular learning needs. This book provides a discussion about the gradual movement toward inclusion and the possibility of developing a more cohesive and potentially more effective education system for all students. It also provides recent research into effective behaviour management and presents specific and valuable techniques employed in applied behaviour analysis. The contributors also deliver analysis on the motivation of students and how home and society in general can contribute towards constraining or enhancing student learning. This book is a must-read for academics, researchers, undergraduate and graduate students who recognize the substantial contribution of educational psychology to increasing our understanding of students and their learning, teachers and their teaching.

Experts from across all industrial-organizational (IO) psychology describe how increasingly rapid technological change has affected the field. In each chapter, authors describe how this has altered the meaning of IO research within a particular subdomain and what steps must be taken to avoid IO research from becoming obsolete. This Handbook presents a forward-looking review of IO psychology's understanding of both workplace technology and how technology is used in IO research methods. Using interdisciplinary perspectives to further this understanding and serving as a focal text from which this research will grow, it tackles three main questions facing the field. First, how has technology affected IO psychological theory and practice to date? Second, given the current trends in both research and practice, could IO psychological theories be rendered obsolete? Third, what are the highest priorities for both research and practice to ensure IO psychology remains appropriately engaged with technology moving forward?

The book is a rich source of information relevant to the field of assessment and learning. It describes various techniques and methods for evaluating the potential, ability, interest and attitude of learners for understanding the ways to further build up the pyramid of their learning. It covers exhaustive information inclusive of that required for the compulsory paper “Assessment for Learning” introduced in the curriculum of B.Ed. course of various Indian universities in accordance with the guidelines of National Council for Teacher Education (NCTE). It discusses Revised Bloom's Taxonomy of Instructional Objectives, the Construction and Standardisation of Achievement and Diagnostic Tests, Policy Perspective on Examination and Assessment, latest Assessment Tools and Devices such as Portfolio Assessment. Besides, it describes the development and use of Rubrics, Emerging Trends and Assessment Practices such as Computer-based online examination, Examination on demand, Open-book examination, and Choice-based credit system, and Statistical means and ways of analysing and interpreting students' performances. KEY FEATURES • Full coverage of syllabi of all the Indian universities • Diligently arranged chapters for the sequential learning • Comprehensive explanation with illustrative examples • Explicit figures, tables and diagrams for easy interpretation • Chapter-end summary for quick recapitulation

This book provides a proficient guide on the relationship between Artificial Intelligence (AI) and healthcare and how AI is changing all aspects of the healthcare industry. It also covers how deep learning will help in diagnosis and the prediction of disease spread. The editors present a

comprehensive review of research applying deep learning in health informatics in the fields of medical imaging, electronic health records, genomics, and sensing, and highlights various challenges in applying deep learning in health care. This book also includes applications and case studies across all areas of AI in healthcare data. The editors also aim to provide new theories, techniques, developments, and applications of deep learning, and to solve emerging problems in healthcare and other domains. This book is intended for computer scientists, biomedical engineers, and healthcare professionals researching and developing deep learning techniques. In short, the volume : Discusses the relationship between AI and healthcare, and how AI is changing the health care industry. Considers uses of deep learning in diagnosis and prediction of disease spread. Presents a comprehensive review of research applying deep learning in health informatics across multiple fields. Highlights challenges in applying deep learning in the field. Promotes research in ddeep llearning application in understanding the biomedical process. Dr.. M.A. Jabbar is a professor and Head of the Department AI&ML, Vardhaman College of Engineering, Hyderabad, Telangana, India. Prof. (Dr.) Ajith Abraham is the Director of Machine Intelligence Research Labs (MIR Labs), Auburn, Washington, USA. Dr.. Onur Dogan is an assistant professor at ?zmir Bak?rçay University, Turkey. Prof. Dr. Ana Madureira is the Director of The Interdisciplinary Studies Research Center at Instituto Superior de Engenharia do Porto (ISEP), Portugal. Dr.. Sanju Tiwari is a senior researcher at Universidad Autonoma de Tamaulipas, Mexico.

Disaster Management is an intended textbook for students pursuing a first and intermediate course on the subject in any undergraduate programme, especially engineering courses like civil, structural, geotechnical engineering and other specialized courses on the subject. The latest AICTE and the earlier UGC model curriculums have been extensively consulted to design the contents of the book. Knowledge of research methodology is essential for all who either play an active role in conducting research or desire to keep themselves updated in the field of knowledge. Keeping this in mind, this edition has been thoroughly revised. The book contains an up-to-date account of the methods and techniques suited to the field of education and other allied disciplines and thus provides an understanding of significant research problems that need to be tackled. The book elaborates the quantitative and qualitative data analysis techniques; use of descriptive and inferential statistics; reporting of the results of research along with the characteristics and uses of historical, descriptive, ethnographic and experimental methods. Case studies form an important part of the text. It also provides priority areas of educational research in India in the context of National Education Policy (1986) and its Programme of Action (1992), UGC, DEC-IGNOU (2006), NCERT (2005), and UNESCO initiatives and policies as well as the Surveys of Research in Education (1997 and 2006).Designed and written mainly for the students of M.A. (Education, Psychology and Sociology), M.Ed. and M.Phil. (Education, Psychology and Sociology), the book will be of immense value to the Ph.D. students and other researchers of Social Sciences, Biological Sciences, Management, Legal Studies, Humanities and Languages.

Examining energy, environment, and sustainability from the chemical engineering point of view, this book highlights critical issues faced by chemical engineers and biochemical engineers worldwide. The book covers recent trends in chemical engineering and bioprocess engineering, such as CFD simulation, statistical optimization, process control, waste water treatment, micro reactors, fluid bed drying, hydrodynamic studies of gas liquid mixture in pipe, and more. Other chapters cover important ultrasound-assisted extraction, process intensification, polymers and coatings, as well as modelling of bioreactor and enzyme systems and biological nitrification.

This book provides a comprehensive introduction to current state-of-the-art auto-segmentation approaches used in radiation oncology for auto-delineation of organs-of-risk for thoracic radiation treatment planning. Containing the latest, cutting edge technologies and treatments, it explores deep-learning methods, multi-atlas-based methods, and model-based methods that are currently being developed for clinical

radiation oncology applications. Each chapter focuses on a specific aspect of algorithm choices and discusses the impact of the different algorithm modules to the algorithm performance as well as the implementation issues for clinical use (including data curation challenges and auto-contour evaluations). This book is an ideal guide for radiation oncology centers looking to learn more about potential auto-segmentation tools for their clinic in addition to medical physicists commissioning auto-segmentation for clinical use. Features: Up-to-date with the latest technologies in the field Edited by leading authorities in the area, with chapter contributions from subject area specialists All approaches presented in this book are validated using a standard benchmark dataset established by the Thoracic Auto-segmentation Challenge held as an event of the 2017 Annual Meeting of American Association of Physicists in Medicine

A harmonious blend of the theoretical and practical aspects of educational psychology, this student-friendly text provides a base for the understanding of the subject. The book discusses the various aspects of growth and development, specifically during childhood and adolescence, and accords due importance to the cognitive aspect of human behaviour with elaborate text on intelligence, creativity, thinking, reasoning and problem-solving. Besides maintaining a logical progression of topics, the author has interspersed the text with examples and illustrations to provide an in-depth analysis of the subject matter. The book is ideally suited for the B.Ed. and B.A. (Education) courses but can also be a valuable reference for teachers, teacher-trainees, and practising counsellors at various levels of school education. KEY FEATURES • Cogent and coherent style of writing • Assignment problems and sample tests at the end of various chapters • Wide range of examples and over 50 illustrations to support and explain the topics discussed

A sustainable brand should integrate environmental, social, economic and issues into its business operations. Sustainable Branding considers how broader perspectives on sustainability and corporate social responsibility can be applied to the practicalities of brand management. By addressing a range of perspectives and their application to branding, the authors go beyond sustainable branding to question the role brands play in a wider sustainable society. Structured around three core parts – People, Planet and Prosperity - contributions from experts in the field consider the human dimensions of environmental change, identity and reputation, technology and innovation, waste management, public and brand engagement, environmental ecosystems and the circular economy. Combining theoretical insight and empirical research with practical application, each chapter includes real-life international cases and reflective questions to allow discussion, best-practice examples and actionable suggestions on how to implement sustainable branding activities. This book is perfect for academics, postgraduate and final-year undergraduate students in sustainable branding, sustainable business, corporate social responsibility, brand management and communications. It provides a comprehensive treatment of the nature of relationships between environmental, economic, social, companies, brands, and stakeholders in different areas and regions of the world.

Management is an art and a science as well. Message for Managers offers valuable insights into the art of managing business efficiently. The simple yet basic messages contained in the stories offer helpful hints. Managers at all levels will learn how to: delegate tasks to the right people distinguish between appreciation and flattery avoid making hasty decisions handle failures and learn from them encourage and motivate the subordinates

Assisted Reproductive Technologies in the Global South and North critically analyses the political and social frameworks of Assisted Reproductive Technology (ART), and its impact in different countries. In the context of a worldwide social pressure to conceive – particularly for women – this collection explores the effect of the development of ARTs, growing globalisation and reproductive medicalization on global societies. Providing an overview of the issues surrounding ART both in the Global South and North, this book analyses ART inequalities,

commonalities and specificities in various countries, regions and on the transnational scene. From a multidisciplinary perspective and drawing on multisite studies, it highlights some new issues relating to ART (e.g. egg freezing, surrogacy) and discusses some older issues regarding infertility and its medical treatment (e.g. in vitro fertilisation, childless stigmatisation and access to treatment). This book aims to redress the balance between what is known about Assisted Reproductive Technologies in the Global North, and how the issue is investigated in the Global South. It aims to draw out the global similarities in the challenges that ARTs bring between these different areas of the world. It will appeal to scholars and students in the social sciences, medicine, public health, health policy, women's and gender studies, and demography.

Cases of Teachers' Data Use addresses applications of student data beyond theoretical, school-, and district-level examinations by presenting case studies of teachers' data use in practice. Within the context of data-driven education reform policies, the authors examine the effective and ineffective ways that teachers make use of student data in instruction, evaluation, and planning. Promising practices, based on the empirical research presented, offer strategies and routines for sound data use that can be applied in schools. Chapters written by scholars from diverse methodological perspectives offer readers multiple lenses to use in considering issues of data use such that current theoretical assumptions may be challenged and the field advanced. This uniquely focused yet comprehensive work is an indispensable resource for researchers and students interested in classroom assessment and for professionals looking to support teachers' use of student performance data for adaptive instruction.