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Biology-I (Zoology) 2022-23 TGT/PGT/GIC/LT/GDC/UPPCS/NVS/ KVS/DSSSB *YOUTH COMPETITION TIMES* **2022-23 TGT/PGT/GIC/LT/GDC/UPPCS/NVS/ KVS/DSSSB Biology-I Zoology Chapter-wise Solved Papers Light Metals 2014** *Springer* **The Light Metals symposia are a key part of the TMS Annual Meeting & Exhibition, presenting the most recent developments, discoveries, and practices in primary aluminum science and technology. Publishing the proceedings from these important symposia, the Light Metals volume has become the definitive reference in the field of aluminum production and related light metal technologies. The 2014 collection includes papers from the following symposia: •Alumina and Bauxite •Aluminum Alloys: Fabrication, Characterization and Applications •Aluminum Processing •Aluminum Reduction Technology •Cast Shop for Aluminum Production •Electrode Technology for Aluminum Production •Light-metal Matrix (Nano)-composites Biology & Botany Vol.-II** *YOUTH COMPETITION TIMES* **2022-23 TGT/PGT/LT Grade/GIC/DIET/ETC Biology & Botany Vol.-II Chapter-wise Solved Papers 5 Steps to a 5 Writing the AP English Essay 2014-2015** *McGraw Hill Professional* **Get ready for your AP exam with this straightforward and easy-to-follow study guide, updated for all the latest exam changes! 5 Steps to a 5: Writing the AP English Essay features an effective, 5-step plan to guide your preparation program and help you build the skills, knowledge, and test-taking confidence you need to succeed. This fully revised edition covers the latest course syllabus and provides model tests that reflect the latest version of the exam. Inside you will find: 5-Step Plan to a Perfect 5: 1. Set Up Your Study Program 2. Determine Your Test Readiness 3. Develop Strategies for Success 4. Develop the Knowledge You Need to Score High 5. Build Your Test-Taking**

Confidence 2 complete practice AP Writing the AP English Essay exams 3 separate plans to fit your study style Review material updated and geared to the most recent tests Savvy information on how tests are constructed, scored, and used 5 Steps to a 5 AP Chemistry, 2014-2015 Edition *McGraw Hill Professional* A PERFECT PLAN for the PERFECT SCORE STEP 1 Set up your study plan with three customized study schedules STEP 2 Determine your readiness with an AP-style diagnostic exam STEP 3 Develop the strategies that will give you the edge on test day STEP 4 Review the terms and concepts you need to score high STEP 5 Build your confidence with full-length practice exams Methodologies and Intelligent Systems for Technology Enhanced Learning, 9th International Conference, Workshops *Springer* This book is based on the 9th International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning, which was hosted by the University of Salamanca and held in Ávila (Spain) from 26th to 28th June 2019. Expanding on the topics of the evidence-based TEL workshops series, it provides an open forum for discussing intelligent technologies for learning. In particular, it discusses recommendation mechanisms that enable us to tailor learning to different contexts and people, e.g., by considering their personality; and learning analytics that help augment learning opportunities, e.g., by supporting the adaptation of the learning material. In addition to technologies, it covers methods from different fields, such as educational psychology or medicine, and from diverse communities co-working with people, such as making communities and participatory design communities to help create novel TEL opportunities. Further it describes the use of methods and technologies to investigate and enhance learning for "fragile users", like children, the elderly and those with special needs. We thank the sponsors: IEEE Systems Man and Cybernetics Society Spain Section Chapter and the IEEE Spain Section (Technical Co-Sponsor), IBM, Indra, Viewnext, Global exchange, AEPIA, APPIA and AIR institute. C++ Programming: From Problem Analysis to Program Design *Cengage Learning* C++ PROGRAMMING: FROM PROBLEM ANALYSIS TO PROGRAM DESIGN, Seventh Edition remains the definitive text for a first programming language course. D.S. Malik's time-tested, student-centered methodology uses a strong focus on problem-solving and full-code examples to vividly demonstrate the how and why of applying programming concepts and utilizing C++ to work through a problem. This new edition includes thoroughly updated end-of-chapter exercises, more than 30 new programming exercises, and many new examples created by Dr. Malik to further strengthen student understanding of problem solving and program design. New features of the C++ 11 Standard are discussed, ensuring this text best meets the needs of the modern CS1 course. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. TIME FOR KIDS Practicing for STAAR Success: Mathematics: Grade 5 *Teacher Created Materials* Help students build their conceptual knowledge and prepare for the STAAR Mathematics test through higher-

level thinking problems and graphical representations from TIME For Kids. This resource provides practice problems across a wide range of question formats, including multistep problems, analytical charts and graphs, and griddable questions designed to demonstrate student understanding. With regular practice, test-taking anxiety can be reduced and students can build the following skills: express understanding of concepts, showcase mathematical thinking, generalize mathematical concepts, apply formulas and theories learned in the classroom to real-world problems, build problem-solving strategies, use multiple mathematics tools, and reflect on mathematical concepts learned. This must-have resource is perfect to help promote the use of skills needed for success in the 21st century. **TIME FOR KIDS® Practicing for STAAR Success: Mathematics: Grade 4** *Teacher Created Materials* **Support students as they build their conceptual knowledge and prepare for the STAAR Mathematics test through higher-level thinking problems and graphical representations from TIME For Kids. This resource provides practice problems across a wide range of question formats, including multistep problems, analytical charts and graphs, and griddable questions designed to demonstrate student understanding. With regular practice, test-taking anxiety can be reduced and students can build the following skills: express understanding of concepts, showcase mathematical thinking, generalize mathematical concepts, apply formulas and theories learned in the classroom to real-world problems, build problem-solving strategies, use multiple mathematics tools, and reflect on mathematical concepts learned. This must-have resource is perfect to help promote the use of skills needed for success in the 21st century. Linguistic Influences on Mathematical Cognition** *Frontiers Media SA* **For many years, an abstract, amodal semantic magnitude representation, largely independent of verbal linguistic representations, has been viewed as the core numerical or mathematical representation This assumption has been substantially challenged in recent years. Linguistic properties affect not only verbal representations of numbers,but also numerical magnitude representation, spatial magnitude representations, calculation, parity representation, place-value representation and even early number acquisition. Thus, we postulate that numerical and arithmetic processing are not fully independent of linguistic processing. This is not to say, that in patients, magnitude processing cannot function independently of linguistic processing we just suppose, these functions are connected in the functioning brain. So far, much research about linguistic influences on numerical cognition has simply demonstrated that language influences number without investigating the level at which a particular language influence operates. After an overview, we present new findings on language influences on seven language levels: - Conceptual: Conceptual properties of language - Syntactic: The grammatical structure of languages beyond the word level influences - Semantic: The semantic meaning or existence of words - Lexical: The lexical composition of words, in particular number words - Visuo-spatial-orthographic: Orthographic properties, such**

as the writing/reading direction of a language. - Phonological: Phonological/phonetic properties of languages - Other language-related skills: Verbal working memory and other cognitive skills related to language representations We hope that this book provides a new and structured overview on the exciting influences of linguistic processing on numerical cognition at almost all levels of language processing. CTET Social Studies/ Science & EVS 9 Year-wise Solved Papers 1 & 2 *Disha Publications* Sarcoma 2022 and Beyond, An Issue of Surgical Oncology Clinics of North America, E-Book *Elsevier Health Sciences* In this issue of Surgical Oncology Clinics, guest editors Drs. Chandrajit P. Raut and Alessandro Gronchi bring their considerable expertise to the topic of Sarcoma. Top experts in the field provide articles on management of common types of sarcoma, as well as drug trials, WHO updates, and clinical trials. Contains 15 relevant, practice-oriented topics including relevant trials update in sarcomas and GIST: what surgeons should know; management of retroperitoneal/mesenteric liposarcoma; management of solitary fibrous tumors; management of skin sarcomas (AS, LMS, DFSP, AFX); management of leiomyosarcoma; and more. Provides in-depth clinical reviews on sarcoma, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews. South African Schooling: The Enigma of Inequality A Study of the Present Situation and Future Possibilities *Springer Nature* This volume brings together many of South Africa's leading scholars of education and covers the full range of South African schooling: from financing and policy reform to in-depth discussions of literacy, numeracy, teacher development and curriculum change. The book moves beyond a historical analysis and provides an inside view of the questions South African scholars are now grappling with: Are there different and preferential equilibria we have not yet thought of or explored, and if so what are they? In practical terms, how does one get to a more equitable distribution of teachers, resources and learning outcomes? While decidedly local, these questions resonate throughout the developing world. South Africa today is the most unequal country in the world. The richest 10% of South Africans lay claim to 65% of national income and 90% of national wealth. This is the largest 90-10 gap in the world, and one that is reflected in the schooling system. Two decades after apartheid it is still the case that the life chances of most South African children are determined not by their ability or the result of hard-work and determination, but instead by the colour of their skin, the province of their birth, and the wealth of their parents. Looking back on almost three decades of democracy in South Africa, it is this stubbornness of inequality and its patterns of persistence that demands explanation, justification and analysis. "This is a landmark book on basic education in South Africa, an essential volume for those interested in learning outcomes and their inequality in South Africa. The various chapters present

conceptually and empirically sophisticated analyses of learning outcomes across divisions of race, class, and place. The book brings together the wealth of decades of research output from top quality researchers to explore what has improved, what has not, and why." Prof Lant Pritchett, Harvard University "There is much wisdom in this collection from many of the best education analysts in South Africa. No surprise that they conclude that without a large and sustained expansion in well-trained teachers, early childhood education, and adequate school resources, South Africa will continue to sacrifice its people's future to maintaining the privileges of the few." Prof Martin Carnoy, Stanford University "Altogether, one can derive from this very valuable volume, if not an exact blueprint for the future, then certainly at least a crucial and evidence-based itinerary for the next few steps." Dr Luis Crouch, RTI ICIE 2015 3rd International Conference on Innovation and Entrepreneurship ICIE 2015 *Academic Conferences Limited* These proceedings represent the work of researchers participating in the 3rd International Conference on Innovation and Entrepreneurship - ICIE 2015, which is being co-hosted by The University of KwaZulu Natal, Durban and the Ethekwini Municipality, Durban, South Africa on the 19-20 March 2015. The ICIE Conference constitutes a valuable platform for individuals to present their research findings, display their work in progress and discuss conceptual advances in many different branches of innovation and entrepreneurship in business and management. At the same time, it provides an important opportunity for researchers and managers to come together with peers, share knowledge and exchange ideas. ICIE builds on the now well established European Conference on Innovation and Entrepreneurship, and allows universities outside the European Boundaries the opportunity to host an academic conference on these important topics. In addition to the presentations of research the conference will feature a knowledge cafe, led by Dr Shawren Singh looking at this topic How can academics focus research efforts to better serve the business and public sector communities?. The second day will open with a panel discussion looking at Smart cities: Opportunities for Entrepreneurship and Economic growth. Following an initial submission of 85 abstracts that have undergone a double blind peer review process, 26 research papers, 3 PhD research papers, 2 work-in-progress papers are published in these Conference Proceedings, representing research results from the Czech Republic, Denmark, Italy, Kazakhstan, Kenya, Lithuania, Nigeria, Poland, Saudi Arabia, South Africa, Sweden, The Netherlands, UK, USA and Zambia. The Every Student Succeeds Act (ESSA) What It Means for Schools, Systems, and States *Harvard Education Press* In this foundational book, Frederick M. Hess and Max Eden bring together a cross-section of respected academics and journalists to examine key aspects of the Every Student Succeeds Act (ESSA). This volume provides a thematic and in-depth analysis of the central provisions of this landmark legislation, presenting a range of perspectives. The contributors—leading researchers, policy analysts, and journalists—explore the conflicts and compromises

that shaped the emerging law, outline its core provisions, and trace its implications for urban districts, states, and the federal government. Complementing these descriptions are chapters presenting opposing viewpoints on the law's merits and its ramifications for future reform efforts. Enacted in December 2015, ESSA represents a major shift of the federal role in education, and its provisions touch on almost every aspect of education policy. Yet it arrived in something of a whirlwind, and scholars, advocates, and policy makers are struggling to make sense of this new act. By bringing together leading thinkers to make sense of this important law, The Every Student Succeeds Act provides a solid foundation for scholars, advocates, and policy makers as they begin to navigate a new era in education policy. SSC Stenographers Grade C&D Exam Papers PDF *INDIA EXAM PORTAL* **EFL/ESL Teachers' Professional Development: Approaches, Applications, and Impact** *Frontiers Media SA* **Uncommon Core** *Corwin Press* **Leave instruction to the experts! Uncommon Core puts us on high-alert about some outright dangerous misunderstandings looming around so-called "standards-aligned" instruction, then shows us how to steer past them—all in service of meeting the real intent of the Common Core. It counters with teaching suggestions that are true to the research and true to our students, including how: Reader-based approaches can complement text-based ones Prereading activities can help students meet the strategic and conceptual demands of texts Strategy instruction can result in a careful and critical analysis of text while providing transferable understandings Inquiry units around essential questions can generate meaningful conversation and higher-order thinking Applications of Security, Mobile, Analytic, and Cloud (SMAC) Technologies for Effective Information Processing and Management** *IGI Global* **From cloud computing to big data to mobile technologies, there is a vast supply of information being mined and collected. With an abundant amount of information being accessed, stored, and saved, basic controls are needed to protect and prevent security incidents as well as ensure business continuity. Applications of Security, Mobile, Analytic, and Cloud (SMAC) Technologies for Effective Information Processing and Management is a vital resource that discusses various research findings and innovations in the areas of big data analytics, mobile communication and mobile applications, distributed systems, and information security. With a focus on big data, the internet of things (IoT), mobile technologies, cloud computing, and information security, this book proves a vital resource for computer engineers, IT specialists, software developers, researchers, and graduate-level students seeking current research on SMAC technologies and information security management systems. Advancements in Technology-Based Assessment: Emerging Item Formats, Test Designs, and Data Sources** *Frontiers Media SA* **ECRM2014-Proceedings of the 13th European Conference on Research Methodology for Business and Management Studies ECRM 2014** *Academic Conferences Limited* **Handbook of Research on Creative Problem-Solving Skill Development in Higher Education** *IGI Global* **Developing students' creative**

problem-solving skills is paramount to today's teachers, due to the exponentially growing demand for cognitive plasticity and critical thinking in the workforce. In today's knowledge economy, workers must be able to participate in creative dialogue and complex problem-solving. This has prompted institutions of higher education to implement new pedagogical methods such as problem-based and case-based education. The Handbook of Research on Creative Problem-Solving Skill Development in Higher Education is an essential, comprehensive collection of the newest research in higher education, creativity, problem solving, and pedagogical design. It provides the framework for further research opportunities in these dynamic, necessary fields. Featuring work regarding problem-oriented curriculum and its applications and challenges, this book is essential for policy makers, teachers, researchers, administrators, students of education. Emerging Trends in Learning Analytics Leveraging the Power of Education Data *BRILL* This book documents recent attempts to conduct systematic, prodigious and multidisciplinary research in learning analytics and present their findings and identify areas for further research and development. The book also unveils the distinguished and exemplary works by educators and researchers in the field highlighting the current trends, privacy and ethical issues, creative and unique approaches, innovative methods, frameworks, and theoretical and practical aspects of learning analytics. Principles and Challenges of Fundamental Methods in Veterinary Epidemiology and Economics *Frontiers Media SA* Universal Secondary Education in India Issues, Challenges and Prospects *Springer Nature* This book offers a cutting-edge contribution on the importance of secondary education and assesses the strengths and weaknesses of its growth in India. Secondary education, long neglected, faces countless challenges and will require tremendous financial resources, millions of additional trained teachers, and vast infrastructure in terms of buildings, laboratories, libraries, ICT facilities, etc. The book examines these critical issues, with particular reference to the situation in India. It analyses the status quo of secondary education and discusses the strategies and approaches needed in order to universalize it. Including 20 chapters authored by eminent scholars in the field and from across the country, this book gathers the outcomes of a seminar organized by the Council for Social Development on Universalization of Secondary Education. The target audience includes policymakers, practitioners, administrators, education planners, researchers, teachers, and teacher educators with an interest in the future of secondary education. ECIME2015-9th European Conference on IS Management and Evaluation ECIME 2015 *Academic Conferences and publishing limited* The 9th European Conference on Information Management and Evaluation (ECIME) is being hosted this year by the University of the West of England, Bristol, UK on the 21-22 September 2015. The Conference Chair is Dr Elias Pimenidis, and the Programme Chair is Dr Mohammed Odeh both from the host University. ECIME provides an opportunity for individuals researching and working in the broad field of information

systems management, including IT evaluation to come together to exchange ideas and discuss current research in the field. This has developed into a particularly important forum for the present era, where the modern challenges of managing information and evaluating the effectiveness of related technologies are constantly evolving in the world of Big Data and Cloud Computing. We hope that this year's conference will provide you with plenty of opportunities to share your expertise with colleagues from around the world. The keynote speakers for the Conference are Professor Haris Mouratidis, from the School of Computing, Engineering and Mathematics, University of Brighton, UK who will address the topic "Rethinking Information Systems Security", Dr Mohammed Odeh, from the University of the West of England, Bristol, UK and Dr. Mario Kossmann from Airbus, UK who will talk about "The Significance of Information Systems Management and Evaluation in the Aerospace Industry' ECIME 2015 received an initial submission of 55 abstracts. After the double-blind peer review process 28 academic Research papers, 5 PhD Research papers, 1 Masters Research paper and 3 Work in Progress papers have been accepted for these Conference Proceedings. These papers represent research from around the world, including Austria, Botswana, Cyprus, Czech Republic, Ireland, Japan, Kuwait, New Zealand, Norway, Poland, Portugal, Slovakia, Russia, South Africa, South Korea, Sweden, The Netherlands, UK and the USA. Voicing Code in STEM A Dialogical Imagination *MIT Press* An exploration of coding that investigates the interplay between computational abstractions and the fundamentally interpretive nature of human experience. The importance of coding in K-12 classrooms has been taken up by both scholars and educators. Voicing Code in STEM offers a new way to think about coding in the classroom--one that goes beyond device-level engagement to consider the interplay between computational abstractions and the fundamentally interpretive nature of human experience. Building on Mikhail Bakhtin's notions of heterogeneity and heteroglossia, the authors explain how STEM coding can be understood as voicing computational utterances, rather than a technocentric framing of building computational artifacts. Empirical chapters illustrate this theoretical stance by investigating different framings of coding as voicing. The Enlightened College Applicant A New Approach to the Search and Admissions Process *Rowman & Littlefield* Deluged with messages that range from "It's Ivy League or bust" to "It doesn't matter where you go," college applicants and their families often find themselves lost, adrift in a sea of information overload. Finally—a worthy life preserver has arrived. The Enlightened College Applicant presents a no-nonsense account of how students should approach the college search and admissions process. Instead of providing recycled entrance statistics or anecdotal generalizations about campus life, authors Belasco and Bergman incorporate cutting-edge data and research to pull back the curtain on critical topics such as: Whether college prestige really matters, How to maximize your college admission prospects Which schools

and degrees provide the best return on investment How to minimize the costs of a college education What college-related skills are valued in the job market, and much more. Whether you are a valedictorian or a B/C student, this easy-to-read book will improve your college savvy and enable you to maximize the benefits of your higher education. International Perspectives on Home Education Do We Still Need Schools? *Springer* This collection brings together the research of an eclectic mix of leading names in home-based education studies worldwide. It uses home education to explore contemporary education outside of school and place it into a global, political and critical context, and will be essential reading for home educators, academics and policymakers alike. Proceedings of the Future Technologies Conference (FTC) 2021, Volume 2 *Springer Nature* This book covers a wide range of important topics including but not limited to Technology Trends, Computing, Artificial Intelligence, Machine Vision, Communication, Security, e-Learning, and Ambient Intelligence and their applications to the real world. The sixth Future Technologies Conference 2021 was organized virtually and received a total of 531 submissions from academic pioneering researchers, scientists, industrial engineers, and students from all over the world. After a double-blind peer review process, 191 submissions have been selected to be included in these proceedings. One of the meaningful and valuable dimensions of this conference is the way it brings together a large group of technology geniuses in one venue to not only present breakthrough research in future technologies, but also to promote discussions and debate of relevant issues, challenges, opportunities and research findings. We hope that readers find the book interesting, exciting, and inspiring; it provides the state-of-the-art intelligent methods and techniques for solving real-world problems along with a vision of the future research. Computational Thinking in the STEM Disciplines Foundations and Research Highlights *Springer* This book covers studies of computational thinking related to linking, infusing, and embedding computational thinking elements to school curricula, teacher education and STEM related subjects. Presenting the distinguished and exemplary works by educators and researchers in the field highlighting the contemporary trends and issues, creative and unique approaches, innovative methods, frameworks, pedagogies and theoretical and practical aspects in computational thinking. A decade ago the notion of computational thinking was introduced by Jeannette Wing and envisioned that computational thinking will be a fundamental skill that complements to reading, writing and arithmetic for everyone and represents a universally applicable attitude. The computational thinking is considered a thought processes involved in a way of solving problems, designing systems, and understanding human behaviour. Assimilating computational thinking at young age will assist them to enhance problem solving skills, improve logical reasoning, and advance analytical ability - key attributes to succeed in the 21st century. Educators around the world are investing their relentless effort in equipping the young generation with real-world skills

ready for the demand and challenges of the future. It is commonly believed that computational thinking will play a pivotal and dominant role in this endeavour. Wide-ranging research on and application of computational thinking in education have been emerged in the last ten years. This book will document attempts to conduct systematic, prodigious and multidisciplinary research in computational thinking and present their findings and accomplishments. Cognition, Metacognition, and Culture in STEM Education Learning, Teaching and Assessment *Springer* This book addresses the point of intersection between cognition, metacognition, and culture in learning and teaching Science, Technology, Engineering, and Mathematics (STEM). We explore theoretical background and cutting-edge research about how various forms of cognitive and metacognitive instruction may enhance learning and thinking in STEM classrooms from K-12 to university and in different cultures and countries. Over the past several years, STEM education research has witnessed rapid growth, attracting considerable interest among scholars and educators. The book provides an updated collection of studies about cognition, metacognition and culture in the four STEM domains. The field of research, cognition and metacognition in STEM education still suffers from ambiguity in meanings of key concepts that various researchers use. This book is organized according to a unique manner: Each chapter features one of the four STEM domains and one of the three themes—cognition, metacognition, and culture—and defines key concepts. This matrix-type organization opens a new path to knowledge in STEM education and facilitates its understanding. The discussion at the end of the book integrates these definitions for analyzing and mapping the STEM education research. Chapter 4 is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com Advances in Natural Language Processing, Intelligent Informatics and Smart Technology Selected Revised Papers from the Eleventh International Symposium on Natural Language Processing (SNLP-2016) and the First Workshop in Intelligent Informatics and Smart Technology, 10-12 February 2016, Phranakhon, Si Ayutthaya, Thailand *Springer* This book constitutes the thoroughly refereed proceedings of the Eleventh International Symposium on Natural Language Processing (SNLP-2016), held in Phranakhon Si Ayutthaya, Thailand on February 10–12, 2016. The SNLP promotes research in natural language processing and related fields, and provides a unique opportunity for researchers, professionals and practitioners to discuss various current and advanced issues of interest in NLP. The 2016 symposium was expanded to include the First Workshop in Intelligent Informatics and Smart Technology. Of the 66 high-quality papers accepted, this book presents twelve from the Symposium on Natural Language Processing track and ten from the Workshop in Intelligent Informatics and Smart Technology track (SSAI: Special Session on Artificial Intelligence). Energy Abstracts for Policy Analysis Cognitive Diagnostic Assessment for Learning *Frontiers Media SA* **AQA GCSE English Language This book develops**

the reading and writing skills that students will be assessed on in the exams. Using a thematic approach that focuses on the AOs, with SPAG delivered in context, this book supports students of all abilities. Peer and self-assessment activities, end-of-chapter assessments and sample exam papers allow progress to be monitored. The Education of Children Entangled in Khat Trade in Ethiopia The Case of Two Khat Market Centers *Forum for Social Studies* In Ethiopia, khat cultivation is expanding aggressively in recent years. Regions that were formerly known for coffee production have become major khat producing areas. In Equal proportion, the habit of khat chewing is expanding at an alarming rate among different social groups irrespective of gender, age, religion and ethnic background. Khat has also become one of the leading export commodities and foreign currency earners for the country. Correspondingly, the khat marketing system has evolved tremendously all along the value chain and become a means of livelihood for many people. Accordingly, school-age children, as young as 8 years, are involved in khat trading and marketing activities. Based on empirical data collected from two khat marketing centers, Aweday and Wondo Genet, this monograph explores the impact of children's involvement in khat trading activities on their schooling. The study also investigates the major causes for such an engagement of young people in khat marketing activities; and probes the nature and magnitude of other possible adverse effects, such as developing the habit of regular khat chewing. Model-driven Simulation and Training Environments for Cybersecurity Second International Workshop, MSTEC 2020, Guildford, UK, September 14–18, 2020, Revised Selected Papers *Springer Nature* This book constitutes the refereed post-conference proceedings of the Second International Workshop on Model-Driven Simulation and Training Environments for Cybersecurity, MSTEC 2020, held in Guildford, UK, in September 2020 in conjunction with the 24th European Symposium on Research in Computer Security, ESORICS 2020. The conference was held virtually due to the COVID-19 pandemic. The MSTEC Workshop received 20 submissions from which 10 full papers were selected for presentation. The papers are grouped in thematically on: cyber security training modelling; serious games; emulation & simulation studies; attacks; security policies. Resources in Education Basic Methods Handbook for Clinical Orthopaedic Research A Practical Guide and Case Based Research Approach *Springer* This book is designed to meet the needs of both novice and senior researchers in Orthopaedics by providing the essential, clinically relevant knowledge on research methodology that is sometimes overlooked during training. Readers will find a wealth of easy-to-understand information on all relevant aspects, from protocol design, the fundamentals of statistics, and the use of computer-based tools through to the performance of clinical studies with different levels of evidence, multicenter studies, systematic reviews, meta-analyses, and economic health care studies. A key feature is a series of typical case examples that will facilitate use of the volume as a handbook for most common research approaches and study types. Younger

researchers will also appreciate the guidance on preparation of abstracts, poster and paper presentations, grant applications, and publications. The authors are internationally renowned orthopaedic surgeons with extensive research experience and the book is published in collaboration with ISAKOS.