Access Free Mathematics Question Paper March 2014 Common Test Kzn Grade12 Pdf For Free

Handbook of Research methods and Applications in Environmental Studies Terrorist Use of Cryptocurrencies The Paris Agreement on Climate Change Circular Economy and the Nordic Swan Ecolabel Quick Revision for Financial Accounting (For ICWA Intermediate: Paper 5) The Green Book Errorless UPPSC General Studies Prelim Paper 1 - 10 Year-wise Solved Papers (2010 - 19) The New Humanitarians in International Practice The Neighbours of the European Union's Neighbours Systemic and Non-Systemic Opposition in the Russian Federation The Political Economy of WTO Implementation and China's Approach to Litigation in the WTO Masculinities under Neoliberalism International GAAP 2019 Protecting the human rights of sexual minorities in contemporary Africa Global Burden of Armed Violence 2015 Cultural Networks in Migrating Heritage Africans Investing in Africa Security and the Turkey-EU Accession Process Red Tape FYR Macedonia Green Growth Country Assessment Neighbourhood Policy and the Construction of the European External Borders **5G Mobile and Wireless Communications Technology** Transnational Gas Markets and Euro-Russian Energy Relations Future Access Enablers for Ubiquitous and Intelligent Infrastructures Mobile Broadband Communications for Public Safety Human Development Report 2014 Migration and the Education of Young People 0-19 Focus On: 100 Most Popular Unreal Engine Games ECKM2014-Proceedings of the 15th European conference on Knowledge Management China's Energy Security Financial Regulation in the European Union Focus On: 100 Most Popular 21St-century English Actresses Competences for Pharmacy Education and Practice in Europe The Remaking of the Mining Industry Playing with Fire National planning policy framework 2012 Human Resource Management Contemporary Consumer Health Informatics Criminal Insurgents in Mexico and Latin America World Ocean Assessment

Future Access Enablers for Ubiquitous and Intelligent Infrastructures Nov 09 2020 This book constitutes the proceedings of the First International Conference on Future Access Enablers for Ubiquitous and Intelligent Infrastructures, FABULOUS 2015, held in Ohrid, Republic of Macedonia, in September 2015. The 39 revised papers cover the broad areas of future wireless networks, ambient and assisted living, smart infrastructures and security and reflect the fast developing and vibrant penetration of IoT technologies in diverse areas of human live. Global Burden of Armed Violence 2015 Aug 19 2021 The Global Burden of Armed Violence 2015 examines international debates on including peace and security in the post-2015 development framework. National planning policy framework 2012 Oct 28 2019 The National Planning Policy Framework 2012 sets out the Government's planning policies for England in achieving sustainable development and how these are expected to be applied. It sets out the requirements for the planning system only to the extent that it is relevant, proportionate and necessary to do so. It provides a framework within which local people and their accountable councils can produce their own distinctive local and neighbourhood plans, which reflect the needs and priorities of their communities. This Framework does not contain specific policies for nationally significant projects for which particular considerations apply. Divided into thirteen chapters, with three annexes, it looks at the following areas, including: building a competitive economy; ensuring town centre vitality; supporting a high quality communications infrastructure; delivering high quality homes; protecting the Green Belt; meeting the challenges of climate change, flooding and coastal change; conserving the natural and historic environments and facilitating the sustainable use of minerals.

Handbook of Research methods and Applications in Environmental Studies Nov 02 2022 This Handbook presents methods to advance the understanding of interdependencies between the well-being of human societies and the performance of their biophysical environment. It showcases applications to material and energy use; urbanization and tech

The Remaking of the Mining Industry Dec 31 2019 The industrialisation of China prompted the biggest

commodity boom of modern times. Soaring prices gave rise to talk of a commodity super cycle and induced a wave of resource nationalism. The author, who was chief economist at two of the world's largest mining companies, describes how this resulted in a transformation of the global mining industry.

International GAAP 2019 Oct 21 2021 International GAAP® 2019 is a comprehensive guide to interpreting and implementing International Financial Reporting Standards (IFRS), setting IFRS in a relevant business context and providing insights into how complex practical issues should be resolved in the real world of global financial reporting. This book is an essential tool for anyone applying, auditing, interpreting, regulating, studying or teaching IFRS. Written by EYs financial reporting professionals from around the world, this three-volume guide to reporting under IFRS provides a global perspective on the application of IFRS. Complex technical accounting issues are explained clearly and IFRS is set in a practical context with numerous worked examples and hundreds of illustrations from the published financial reports of major listed companies from around the world. The 2019 edition of International GAAP® has been fully revised and updated in order to: • Continue to investigate the many implementation issues arising as entities adopt IFRS 9 (Financial Instruments) and IFRS 15 (Revenue from Contracts with Customers). • Explore the complex implementation issues arising as entities adopt, in 2019, IFRS 16 (Leases). • Include an updated chapter on the new insurance contracts standard IFRS 17 (Insurance Contracts), which reflects the recent discussions of the IASB's Transition Resource Group on implementation issues raised, proposed narrow-scope amendments to IFRS 17 intended by the IASB, and also explores other matters arising as users prepare for the adoption of this standard. • Include an amended chapter on the revised Conceptual Framework, which was published in March 2018. The changes to the Conceptual Framework may affect the application of IFRS in situations where no standard applies to a particular transaction or event. • Address amended standards and new interpretations issued since the preparation of the 2018 edition. • Explain the many other initiatives that are currently being discussed by the IASB and by the IFRS Interpretations Committee and the potential consequential changes to accounting requirements. • Provide insight on the many issues relating to the practical application of IFRS, based on the extensive experience of the book's authors in dealing with current issues.

Africans Investing in Africa Jun 16 2021 Africans Investing in Africa explores intra-African trade and investment by showing how, where and why Africans invest across Africa; to identify the economic, political and social experiences that hinder or stimulate investment; and to highlight examples of pan-African investors. Quick Revision for Financial Accounting (For ICWA Intermediate: Paper 5) Jun 28 2022 Tulsian's Quick Revision for Financial Accounting is a self-study handbook. Loaded with practical questions, this book is a perfect revision text - comprises structured questions based on pattern and scheme adopted in examinations. Financial Regulation in the European Union Apr 02 2020 This collection offers a comparative overview of how financial regulations have evolved in various European countries since the introduction of the single European market in 1986. It includes a number of country studies which provides a narrative of the domestic financial regulatory structure at the beginning of the period, as well the means by which the EU Directives have been introduced into domestic legislation and the impact on the financial structure of the economy. In particular, studies highlight how the discretion allowed by the Directives has been used to meet the then existing domestic conditions and financial structure as well as how they have modified that structure. Countries covered are France, Germany, Italy, Spain, Estonia, Hungary and Slovenia. The book also contains an overview of regulatory changes in the UK and Nordic countries, and in post-crisis USA. This comparative approach raises questions about whether past and more recent regulatory changes have in fact contributed to increase financial stability in the EU. The comparative analysis provided in this book raises questions on whether the past and more recent changes are contributing to increase the financial stability and efficiency of individual banks and national financial systems. The crisis has demonstrated the drawbacks of formulating the regulatory framework on standards borrowed from the best industry practices from the large developed countries, originally designed exclusively for large global banks, but now applied to all financial institutions.

<u>Terrorist Use of Cryptocurrencies</u> Oct 01 2022 The success of counterterrorism finance strategies in reducing terrorist access to official currencies has raised concerns that terrorist organizations might increase their use of such digital cryptocurrencies as Bitcoin to support their activities. RAND researchers thus consider the needs of terrorist groups and the advantages and disadvantages of the cryptocurrency technologies available to them.

Migration and the Education of Young People 0-19 Aug 07 2020 Migration and the Education of Young People 0–19 investigates migration from a number of perspectives to consider the changing dynamics of society within different countries. Examining the data associated with global migration by focusing on case studies from a wide range of countries, it provides detailed and balanced coverage of this politically sensitive topic to explore the educational needs of migrant young people, the impact of large-scale migration to and from countries and the policy challenges that individual countries face when ensuring adequate provision for migrant young people within their education systems. Chapters cover: The reasons why people might move Social and emotional learning in Britain: a tool to guard against cultural pollution? Migration into a global city: the economic and educational success of London Latvian people on the move and the impact on education People's movement – Greece Return migration in Lithuania: incoming challenges for children's education The United States, Latin America, immigration and education Tanzanian street children: victims, ordinary lives or extraordinary survivors? This book explores the changing social dynamics through an extensive range of case studies and will be an essential resource for students taking undergraduate and postgraduate courses in education, sociology and international relations. *Protecting the human rights of sexual minorities in contemporary A frica* Sep 19 2021

Circular Economy and the Nordic Swan Ecolabel Jul 30 2022 The transition to Circular Economy necessitates right incentives for choosing products and services with lower environmental impacts, in the form of price signals and sufficient environmental information. An ecolabel indicates that the product is, environmentally speaking, among the best products available on the market and thus has the role to steer stepwise developments towards sustainability. The Swan criteria promote quality products with requirements on durability and the use of secondary raw materials. To further align the criteria with Circular Economy, future criteria development might focus more on aspects including upgradability, reparability, multi-functionality, component reuse and innovative forms of consumption and production. This report was prepared as part of a Nordic project, and the results could be useful in the development of the Nordic Ecolabel in the future.

China's Energy Security May 04 2020 A secure supply of energy is essential for all nations, to sustain their economy, and indeed their very survival. This subject is especially important in the case of China, as China's booming economy and consequent demand for energy is affecting the whole world, and in turn potentially driving realignments in international relations. Moreover, as this book argues, energy security should be considered more broadly, to include issues of sustainability, environmental protection and the domestic organisation of energy policy and energy supply. This book presents a comprehensive picture of China's energy security. It covers all energy sectors – coal, oil, gas, renewables; international relations with all major sources of energy supply – the Middle East, Central Asia, Africa; and key areas of domestic policy making and supply.

Systemic and Non-Systemic Opposition in the Russian Federation Jan 24 2022 Over the period December 2011-July 2013 a tidal wave of mass protests swept through the Russian Capital and engulfed scores of cities and regions. This fascinating book examines the rise and fall of the non-systemic opposition and the role of the systemic political opposition during this turbulent period. Leading experts in the field from Russia along with scholars from the UK and the US reflect on the conditions that have made large-scale protests possible, the types of people who have taken part and the goals of the opposition movement at both the national and regional levels. The Neighbours of the European Union's Neighbours Feb 22 2022 Should the European Neighbourhood Policy stop at the borders of the European Union's immediate neighbouring countries? This book is the first full length study of the 'neighbours of the EU's neighbours', a concept originally introduced by the European Commission with reference to Saharan Africa, the Middle East and Central Asia. These regions in the EU's broader neighbourhood are often perceived as an 'arc of crisis' from which manifold challenges emanate for Europe. This timely book takes stock of the state of the EU's cooperation with the neighbours of its neighbours and explores how the concept might help promote security, stability and prosperity beyond the countries which are formally part of the European Neighbourhood Policy. How can the EU create bridges between these regions? What instruments does the EU have at its disposal and how can it link them in order to respond to the challenges and overcome the current fragmentation? One of the conclusions is the suggestion to consider a pragmatic 'EU Strategy for the Neighbours of its Neighbours' which addresses the needs of the broader EU neighbourhood in a more systematic and consistent manner and helps transform in the long run the 'arc of crisis' into another 'ring of friends'.

Red Tape Apr 14 2021 Argues that the solution to the excess of laws, regulation and regulators is to change the

mindset of lawmakers.

Human Development Report 2014 Sep 07 2020 Most poeple in most countries have been steadily better in human development. Advances in technology and incomes hold ever-greater for longer, healthier, more secure lives.

Security and the Turkey-EU Accession Process May 16 2021 This study examines the history and politics of Turkey-EU relations since 1959, exploring the complex interaction of geostrategic and normative concerns which have resulted in the current lack of accession progress and Turkey's slide to authoritarianism.

Playing with Fire Nov 29 2019 Many emerging and developing economies (EDEs) have liberalised their capital accounts, allowing greater freedom for international lenders and investors to enter their markets. This volume provides an empirical account of deeper integration of EDEs into the global financial system and discusses its implications for stability and growth.

ECKM2014-Proceedings of the 15th European conference on Knowledge Management Jun 04 2020 The world economy in which we are living poses challenges that lead to a realization that 'more of the same' will be difficult to sustain. This provides an illustration that, in order to create new or modified knowledge practices, strengthen customer relationships and thus positively influence customer satisfaction, organizations must be flexible in configuring (combining) knowledge and knowledge structures in a way that is appropriate for delivering value to the customer. It must simultaneously develop effective strategies for updating the knowledge of its staff members necessary for underpinning the creation and delivery of appropriate knowledge services. Thus, unlearning (forgetting) becomes a critical means for organizational success. The ECKM community of scholars has already initiated dialogue that links its particular strengths to innovation issues. This conference aims to further that dialogue by attracting leading edge work that leverages the ECKM community's in-depth understanding of learning and unlearning to better understand knowledge management. Our aim is to stimulate breakthrough research streams linking learning, unlearning and knowledge management. How can organizations tailor, use, and extend techniques and tools from knowledge management for improving their business practices and processes? Building upon existing work on knowledge management (KM) and organizational learning, the conference will promote interdisciplinary approaches from computer science and information systems, business, management and organization science as well as cognitive science. Emphasis will be put on systematic learning from experience, KM tools and KM success factors. A special interest belongs to knowledge management initiatives which are lightweight (i.e., do not place considerable additional burden on users and KM experts), allow an incremental adoption (i.e., do not require large up-front investment before any return of investment is at least visible), and are flexible regarding frequent changes in experts and topics. Continuing the success of the ECKM conference series since 2000, the 2015 conference will provide an international communication forum bringing together academia and industry for discussing the progress made and addressing the challenges faced by continuous learning in knowledge-intensive organizations.

Focus On: 100 Most Popular Unreal Engine Games Jul 06 2020

Criminal Insurgents in Mexico and Latin America Jul 26 2019 The 4th Small Wars Journal—El Centro anthology comes at a pivotal time, roughly a third of the way through the term, for the Enrique Peña Nieto administration in Mexico. The mass kidnapping and execution of 43 rural student teachers in Iguala, Guerrero in late September 2014 has only served to further highlight the corruptive effects of organized crime on the public institutions in that country. In addition, many other states in Latin America are now suffering at the hands of criminal insurgents who are threatening their citizens and challenging their sovereign rights. Dave Dilegge, SWJ Editor-in-Chief

Neighbourhood Policy and the Construction of the European External Borders Feb 10 2021 This book looks both backward and forward with regard to the European Union's political strategies towards its neighbouring countries. By bringing together the perspectives of critical geopolitics, policy studies and border studies, it presents a comprehensive review of the European Neighbourhood Policy and how it impacts the ongoing construction of the EU's external frontiers. Is the EU committed to promoting integration in a 'wider' European space, or is a "fortress Europe" emerging where the strengthening of internal cohesion is coupled with the militarisation of its external borders? The book aims to problematize this question by showing how the EU's external policies are based on a mixture of openness and closure, inclusion and exclusion, cooperation and securitisation. The European

Neighbourhood Policy is a controversial strategy where regionalization and bordering, homogenisations and differentiations, centrifugal and centripetal forces proceed side-by-side, in an explicit attempt to construct a selective, mobile and fragmented border. A specific focus is devoted to the diversity of geo-strategies the EU is pursuing in its neighbouring countries and regions, macro-regional strategies and cross-border cooperation initiatives as new scales of cooperation, and the role of other global players.

5G Mobile and Wireless Communications Technology Jan 12 2021 A comprehensive overview of the 5G landscape covering technology options, most likely use cases and potential system architectures.

Errorless UPPSC General Studies Prelim Paper 1 - 10 Year-wise Solved Papers (2010 - 19) Apr 26 2022 Human Resource Management Sep 27 2019 Prepare for career and HR success with the text that has set the standard for excellence in human resource management. HUMAN RESOURCE MANAGEMENT, 15th Edition, offers the most current look at HRM and its impact on the success of organizations today. A leading resource in preparing for professional HR certification, this edition ensures you address all major topics for the various professional examinations given by the Society for Human Resource Management and the Human Resource Certification Institute. The latest HR research and an effective blend of solid theory and contemporary practice highlight emerging trends driving change in HRM today, including technology, globalization, competencies and HR metrics. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Green Book May 28 2022 This new edition incorporates revised guidance from H.M Treasury which is designed to promote efficient policy development and resource allocation across government through the use of a thorough, long-term and analytically robust approach to the appraisal and evaluation of public service projects before significant funds are committed. It is the first edition to have been aided by a consultation process in order to ensure the guidance is clearer and more closely tailored to suit the needs of users.

Cultural Networks in Migrating Heritage Jul 18 2021 This book is a study of the role of cultural and heritage networks and how they can help institutions and their host societies manage the tensions and realise the opportunities arising from migration. In looking at past and emerging challenges of social inclusion and cultural dialogue, hybrid models of cultural identity, citizenship and national belonging, the study also sets out to answer the questions 'how'. How can cultural institutions leverage the power of cross-border networks in a contested place such as Europe today? How could they elaborate approaches and strategies based on cultural practices? How can the actions of the European Commission and relevant cultural bodies be strengthened, adapted or extended to meet these goals? Cultural Networks in Migrating Heritage will be of interest to scholars and students in museum and cultural heritage studies, visual arts, sociology of organisations and information studies. It will also be relevant to practitioners and policymakers from museums, libraries, NGOs and cultural institutions at large.

Contemporary Consumer Health Informatics Aug 26 2019 This innovative reference examines how consumer health informatics (CHI) can transform healthcare systems stressed by staffing shortages and budget constraints and challenged by patients taking a more active role in their care. It situates CHI as vital to upgrading healthcare service delivery, detailing the relationship between health information technologies and quality healthcare, and outlining what stakeholders need to learn for health IT systems to function effectively. Wide-ranging content identifies critical issues and answers key questions at the consumer, practitioner, administration, and staff levels, using examples from diverse conditions, countries, technologies, and specialties. In this framework, the benefits of CHI are seen across service domains, from individual patients and consumers to healthcare systems and global health entities. Included in the coverage: Use of video technology in an aged care environment A context-aware remote health monitoring service for improved patient care Accessibility issues in interoperable sharing of electronic health records: physician's perspective Managing gestational diabetes with mobile web-based reporting of glucose readings An organizing vision perspective for developing and adopting e-health solutions An ontology of consumer health informatics Contemporary Consumer Health Informatics combines blueprint and idea book for public health and health informatics students, healthcare professionals, physicians, medical administrators, managers, and IT practitioners.

Competences for Pharmacy Education and Practice in Europe Jan 30 2020 One of the main aspirations of the European Union (EU) is the development of a pan-European health system with unhindered access to quality care, in all member states. The PHAR-QA "Quality Assurance in European Pharmacy Education and Training" project

explored the realities surrounding this idea in the area of pharmacy. This book assembles a series of papers, already published in the journal "Pharmacy", that describe the project: its origins, design, implementation, results, interpretation, and perspectives.

FYR Macedonia Green Growth Country Assessment Mar 14 2021 This green growth country assessment for FYR Macedonia defines and assesses the economic costs and benefits of a shift to greener growth for FYR Macedonia, with a focus on climate action. Multi-sector analytic work tied together by macroeconomic modeling generated a detailed green growth path to 2050. While addressing today's economic challenges, policymakers need to keep the long-term in mind, both the likely impact of a changing climate on water, agriculture, and infrastructure and growing obligations to mitigate greenhouse gas emissions. This consideration is particularly important for decisions on long-lived infrastructure such as power supply, irrigation, or urban streets, water distribution, and sewers. Innovative modeling of water as a constraint on growth as the climate becomes warmer and drier quantified the tough tradeoffs that will be needed to balance competing demands from agriculture, the power sector, and municipalities and industry. A greener energy sector needs to aim at increased supply security, reduced greenhouse gas emissions, and increased supply efficiency: more generation to avoid blackouts and expensive imports; lignite and oil replaced by gas and renewables in the supply mix; and aggressive energy efficiency measures in industry, buildings, and households. Providing better transport services while containing accelerating emissions growth will require better fuel efficiency, more use of rail and public transport, and an integrated approach to urban transport that maximizes local cobenefits. Urban areas, especially the capital city of Skopje hold the potential to lead on greener growth. In recent years, urban sprawl, driven by growth in the number of single family houses that use wood for heating and private cars for commuting, has pushed up the energy intensity of urban life as well as the cost of delivering infrastructure services to a less-dense community. The country also needs to plan for the impact of a changing climate on the reliability and quality of infrastructure services. Planners need to decide whether to build infrastructure to be more resilient today or wait to see what happens and spend more on maintenance and rehabilitation (or replacement) later. For FYR Macedonia, the top priorities for infrastructure adaptation over the next decade include urban drainage systems, health and education facilities and municipal buildings. The main local cobenefit of mitigation will be reduction of air pollution, which is among the highest in Europe. Particulate matter pollution from industry, the power sector, and road paving can be abated through better equipment while the other large and unusual source of air pollution--the widespread use of wood for heat by urban households--can be reduced in the near-term by more modern stoves and in the long-term by better heating options. An economy-wide macroeconomic assessment estimates the impact on growth and employment of packages of green growth actions across sectors and provides advice on priorities for public investment. Climate investments pose costs upfront but provide benefits both now and later. Adaptation interventions (which protect tomorrow's output from climate damage) are found to be less costly to growth and employment in the short-term than mitigation measures (which reduce greenhouse gas emissions) once sector results are integrated into a general equilibrium model. Under a 'green' climate action scenario, moderate adaptation measures in agriculture and water and incremental expenses in the climate-proofing of physical infrastructure would amount to the equivalent of around 0.1 percent of annual GDP, while moderate mitigation measures would require the mobilization of resources constituting about one percent of annual GDP. More ambitious climate action, under a 'super-green' scenario, would require water sector investments that reach one percent of GDP by 2015 while mitigation investments require two percent of GDP by 2020. Green climate action would together generate short-term losses to national income of more than two percent if financing is mobilized domestically, while super-green action induces even bigger losses. However, both moderate and ambitious climate action promise a medium- to long-term boost in the level of GDP—reaching 1.5 to 2 percent by 2050.

The Political Economy of WTO Implementation and China's Approach to Litigation in the WTO Dec 23 2021 The concept of compliance of World Trade Organization (WTO) law as part of international economic law is examined in this discerning book. The issue of compliance is examined through a broad perspective, considering the key conceptual issues which continu

Focus On: 100 Most Popular 21St-century English Actresses Mar 02 2020

World Ocean Assessment Jun 24 2019 This United Nations report examines the current state of knowledge of the world's oceans, for policymakers, and provides a reference for marine science courses.

Masculinities under Neoliberalism Nov 21 2021 Neoliberalism has had a radical impact on the lived, gendered experiences of people around the world. But while the gendered dimensions of neoliberalism have already received significant scholarly attention, the existing literature has given little consideration to men's identities and experiences. Building on the work of Cornwall and Lindisfarne's landmark text Dislocating Masculinity, this collection provides a fresh perspective on gender dynamics under neoliberalism. Bringing together a series of short, readable case studies drawn from new ethnographic fieldwork, its subjects range from the experiences of working-class men in Putin's Russia to colonial masculinities in Southern Rhodesia, and from young British Muslim men to amateur footballers in Jamaica.

The New Humanitarians in International Practice Mar 26 2022 As humanitarian needs continue to grow rapidly, humanitarian action has become more contested, with new actors entering the field to address unmet needs, but also challenging long-held principles and precepts. This volume provides detailed empirical comparisons between emerging and traditional humanitarian actors. It sheds light on why and how the emerging actors engage in humanitarian crises and how their activities are carried out and perceived in their transnational organizational environment. It develops and applies a conceptual framework that fosters research on humanitarian actors and the humanitarian principles. In particular, it simultaneously refers to theories of organizational sociology and international relations to identify both the structural and the situational factors that influence the motivations, aims and activities of these actors, and their different levels of commitment to the traditional humanitarian principles. It thus elucidates the role of the humanitarian principles in promoting coherence and coordination in the crowded and diverse world of humanitarian action, and discusses whether alternative principles and parallel humanitarian systems are in the making. This volume will be of great interest to postgraduate students and scholars in humanitarian studies, globalization and transnationalism research, organizational sociology, international relations, development studies, and migration and diaspora studies, as well as policy makers and practitioners engaged in humanitarian action, development cooperation and migration issues.

The Paris Agreement on Climate Change Aug 31 2022 The Paris Agreement fundamentally alters the reach and scope of the international climate change regime. This book provides the first legal commentary to the Agreement's articles, putting them in context and detailing how they are to be understood and put into action.

Transnational Gas Markets and Euro-Russian Energy Relations Dec 11 2020 This books analyses how transnational gas markets have evolved and impacted on EU-Russia energy relations. It examines how the political conflict surrounding Ukraine has accelerated a negative interdependence in the region, with energy interdependence increasingly used as an instrument of diplomacy.

Mobile Broadband Communications for Public Safety Oct 09 2020 This book provides a timely and comprehensive overview of the introduction of LTE technology for PPDR communications. It describes the operational scenarios and emerging multimedia and data-centric applications in demand and discusses the main techno-economic drivers that are believed to be pivotal for an efficient and cost-effective delivery of mobile broadband PPDR communications. The capabilities and features of the LTE standard for improved support of mission-critical communications (e.g., proximity services, group communications) are covered in detail. Also, different network implementation options to deliver mobile broadband PPDR communications services over dedicated or commercial LTE-based networks are discussed, including the applicability of the Mobile Virtual Network Operator (MVNO) model and other hybrid models. Radio spectrum matters are also discussed in depth, outlining spectrum needs and providing an outlook into allocated and candidate spectrum bands for PPDR communications and suitable dynamic spectrum sharing solutions in PPDR communications. Explanations are accompanied by a vast collection of references that allow the more intrigued reader to gain further insight into the addressed topics.