

0522 November 2010 Paper 2 Mark Scheme

The purpose of authority control is to ensure consistency in representing a value - a name of a person, a place name, or a term or code representing a subject - in the elements used as access points in information retrieval. The primary purpose of this study is to produce a framework that will provide a clearly stated and commonly shared understanding of what the subject authority data/record/file aims to provide information about, and the expectation of what such data should achieve in terms of answering user needs.

Investigates the underrepresentation of women in politics, by examining how language use constructs and maintains gender inequalities in political institutions.

Since 1994, the European Conferences of Product and Process Modelling (www.ecppm.org) have provided a review of research, development and industrial implementation of product and process model technology in the Architecture, Engineering, Construction and Facilities Management (AEC/FM) industry. Product/Building Information Modelling has matured significantly in the last few years and has never been closer to having a permanent impact on the AEC/FM industry as a mainstream technology. In this context the 9th European Conference of Product and Process Modelling provided a forum for leading experts to discuss the latest achievements, emerging trends and future directions in product and process modelling technology in this dynamic and fragmented industry, focusing on integrated project working, value-based life cycle management and intelligent and sustainable buildings and construction. eWork and eBusiness in Architecture, Engineering and Construction 2012 provides a comprehensive overview of topics including BIM in all life-cycle stages, ICT for energy efficiency, smart buildings and environmental performance, energy and building simulation, knowledge and semantic modelling, visualization technologies as well as tools and methods to support innovations in design and construction processes. It further includes the proceedings of the 3rd Workshop on eeBuildings Data Models (Energy Efficiency Vocabularies), which aim to identify ICT Energy Efficiency Vocabularies and Ontologies to foster interoperability of Energy Efficiency Management Systems. eWork and eBusiness in Architecture, Engineering and Construction 2012 will be of interest to academics and professionals working in the interdisciplinary area of information technology in architecture, engineering and construction.

Commercial & Financial Chronicle, Bankers Gazette, Commercial Times, Railway Monitor and Insurance Journal

The Committee's Investigation Into Counterfeit Electronic Parts in the Department of Defense Supply Chain

Ohio

Promoting Information and Communication Technology in ADB Operations

ECPPM 2012

Geological Survey Water-supply Paper

This volume is based on lectures delivered at the 2009 AMS Short Course on Quantum Computation and Quantum Information, held January 3-4, 2009, in Washington, D.C. Part I of this volume consists of two papers giving introductory surveys of many of the important topics in the newly emerging field of quantum computation and quantum information, i.e., quantum information science (QIS). The first paper discusses many of the fundamental concepts in QIS and ends with the curious and counter-intuitive phenomenon of entanglement concentration. The second gives an introductory survey of quantum error correction and fault tolerance, QIS's first line of defense against quantum decoherence. Part II consists of four papers illustrating how QIS research is currently contributing to the development of new research directions in mathematics. The first paper illustrates how differential geometry can be a fundamental research tool for the development of compilers for quantum computers. The second paper gives a survey of many of the connections between quantum topology and quantum computation. The last two papers give an overview of the new and emerging field of quantum knot theory, an interdisciplinary research field connecting quantum computation and knot theory. These two papers illustrate surprising connections with a number of other fields of mathematics. In the appendix, an introductory survey article is also provided for those readers unfamiliar with quantum mechanics.

Practical clinical handbook reviewing all aspects of the diagnosis and management of intra-abdominal hypertension; essential reading for all critical care staff.

As part of its ‘ going out ’ strategy, China is using the media to promote its views and vision to the wider world and to counter negative images in the US-dominated international media. China ’ s Media Go Global, the first edited collection on this subject, evaluates how the unprecedented expansion of Chinese media and communications is changing the global media landscape and the role of China within it. Each chapter examines a different dimension of Chinese media ’ s globalization, from newspapers, radio, film and television, to social media and journalism. Topics include the rise of Chinese news networks, China Daily as an instrument of China ’ s public diplomacy and the discussion around the growth of China ’ s state media in Africa. Other chapters discuss entertainment television, financial media and the advertising market in China. Together, this collection of essays offers a comprehensive evaluation of complex debates concerning the impact of China on the international media landscape, and makes a distinctive addition to Chinese media studies, as well as to broader global media discourses. Beyond its primary readership among academics and students, China ’ s Media Go Global is aimed at the growing constituency of general readers, for whom the role of the media in globalization is of wider interest.

Women, Language and Politics

Handbook of the Economics of Education

Between History and Geopolitics

(Part I) Letter from the Secretary of the Army Transmitting a Letter from the Chief of Engineers, Dept. of the Army, Dated April 18, 1966, Submitting a Report, Together with Accompanying Papers and Illustrations, on a Review of the Report on the Arkansas-Red River Basins, Water Quality Control Study, Texas, Oklahoma and Kansas (Part I), Requested by a

Resolution of the Committee on Public Works, U.S. Senate, Adopted Dec. 16, 1959

American Mathematical Society Short Course, January 3-4, 2009, Washington, DC

Federal Register

"This book addresses the gap in business Web strategy through a collection of concentrated managerial issues, gathering the latest theoretical frameworks, case studies, and research pertaining to maximizing the power of the Web"--Provided by publisher.

The substantial burden of death and disability that results from interpersonal violence, road traffic injuries, unintentional injuries, occupational health risks, air pollution, climate change, and inadequate water and sanitation falls disproportionately on low- and middle-income countries. Injury Prevention and Environmental Health addresses the risk factors and presents updated data on the burden, as well as economic analyses of platforms and packages for delivering cost-effective and feasible interventions in these settings. The volume's contributors demonstrate that implementation of a range of prevention strategies-presented in an essential package of interventions and policies-could achieve a convergence in death and disability rates that would avert more than 7.5 million deaths a year.

A collection of articles explores the role of gay, lesbian, bisexual, and transgendered persons in shaping American popular culture from the late 1800s to the present.

Representations of Race in East Asian Empire

Arkansas-Red River Basins, Water Quality Control Study, Texas, Oklahoma and Kansas

The Statist

Quantum Information Science and Its Contributions to Mathematics

Bradstreet's Weekly

CoAST 2013

The Lisbon Treaty modified the legal framework of EU external action and these innovations must be applied in a period of deep economic and financial crisis interacting with other more specific crises affecting the EU's external activities. This volume investigates the recent institutional and substantive developments in EU external relations law and practice in this context of multiple crises for the EU. The economic and financial crisis has a major impact on EU external action, but other crises too affect this sensitive area of the EU's activity and the book takes them into account. For instance, there is a crisis in the relationship between EU law and international law after the ECJ judgement in the Kadi case. In addition to exploring these questions, the volume also examines questions of legitimacy in fields such as foreign investment protection and arbitration. Representing the output of a powerful research team composed of leading scholars in the field this comprehensive collection will appeal to both an expert and non-expert readership.

The International Conference on Computational Fluid Dynamics is held every two years and brings together physicists, mathematicians and engineers to review and share recent advances in mathematical and computational techniques for modeling fluid flow. The proceedings of the 2010 conference (ICCFD6) held in St Petersburg, Russia, contain a selection of refereed contributions and are meant to serve as a source of reference for all those interested in the state of the art in computational fluid dynamics.

In 2009, a bipartisan Knight Commission found that while the broadband age is enabling an info. and commun. renaissance, local communities in particular are being unevenly served with critical info. about local issues. Soon after the Knight Commission delivered its findings, the FCC initiated a working group to identify crosscurrent and trend, and make recommendations on how the info. needs of communities can be met in a broadband world. This report by the FCC Working Group on the Info. Needs of Communities addresses the rapidly changing media landscape in a broadband age. Contents: Media Landscape; The Policy and Regulatory Landscape; Recommendations. Charts and tables. This is a print on demand report.

Water-supply Paper

Proceedings of the Colloquium on Administrative Science and Technology

Dismissing The Election Contest Relating to The Office of Representative From The Thirteenth Congressional District of Florida, February 14, 2008, 110-2 House Report 110-528, Part 1

China's Quest for Foreign Technology

Functional Requirements for Subject Authority Data (FRSAD)

A Business Digest

This book of proceedings collects fifty-one papers presented at the inaugural Colloquium of Administrative Science and Technology (CoAST 2013) event, held at Kuching, Sarawak, Malaysia. It has been reviewed by 750 experts world-wide and covers three main areas – Administrative Science and Technology, Management, and Arts and Humanities. The papers in this volume reflect: • the importance of the social sciences in academia and in the nations' social-economic growth; • the multi-disciplinary and trans-disciplinary nature of academia that transcends the broad areas of the social sciences; • the increasing trend towards fundamental studies in the social sciences, management, and the arts and the humanities, which have been characterized under the overarching theme of administrative science and technology; • the growing demand for research outcomes affecting the public and private sectors' service processes. The other overlapping niche areas affecting the civil service scope will ensure more interest in and readability of the findings showcased in this proceedings book; • the popular and contemporary measurement techniques and methodologies employed within the scopes of the social sciences and humanities; • the noticeably changing trends in administrative science and technology, which will greatly impact the governments of the world, allowing the development of a better understanding of governmental processes and their impact on key performance and e-service deliveries. The reporting on technology-based services will improve the public sector's agility; • a knowledge-sharing agenda for other developing and less developed nations to emulate; • some of the major generic developments that have taken place in these thematic areas of CoAST 2013.

The recent boom-and-bust cycle in housing prices has refreshed the debate on the drivers of housing cycles as well as the appropriate policy response. We analyze the case of Spain, where housing prices have soared since it joined the EMU. We present evidence based on a VAR model, and we calibrate a New Keynesian model of a currency area with durable goods to explain it. We find that labor market rigidities provide stronger amplification effects to all type of shocks than financial frictions do. Finally, we show that when the central bank reacts to house prices, the non-durable sector suffers an important contraction. As a result, the boom-and-bust cycle would not have been avoided if Spain had remained outside the EMU during the 1996-2007 period.

The volume of research into the economics of education has grown rapidly in recent years. In this comprehensive new Handbook, editors Eric Hanushek, Stephen Machin, and Ludger Woessmann assemble original contributions from leading researchers, addressing contemporary advances in the field. Each chapter illuminates major methodological and theoretical developments and directs the reader to productive new lines of research. As a result, these concise overviews of the existing literature offer an essential 'jumpstart' for both students and researchers alike. Demonstrates how new methodologies are yielding fresh perspectives in education economics Uses rich data to study issues of high contemporary policy relevance Explores innovations in higher education, competition, and the uses of technology

Beyond Espionage

Basic Principles and Applications

The Financial Review

Hearing Before the Committee on Armed Services, United States Senate, One Hundred Twelfth Congress, First Session, November 8, 2011

Information Needs of Communities

Disease Control Priorities, Third Edition (Volume 7)

Rapid advances in information and communication technology (ICT) continue to create tremendous opportunities for economic and social gains in the world's poorest areas. A key infrastructure of knowledge-based economies. ICT is a driving force for rapidly growing new sectors. The Strategy 2020 of the Asian Development Bank (ADB) reinforces the importance of drawing on ICT to enhance development in Asia and the Pacific. In line with Strategy 2020, ADB's 2013 ICT for Development Strategy and with the support of the Republic of Korea's e-Asia and Knowledge Partnership Fund (EAKPF), this study examines and identifies opportunities for promoting ICT in ADB operations.

This work represents the first systematic study of Armenia's foreign policy during the post-independence period, between 1991 and 2005. It explores four sets of relationships with Armenia's major historical 'partners': Russia, Iran, Turkey and the West (Europe and the United States).

The Finite Element Method: Its Basis and Fundamentals offers a complete introduction to the basis of the finite element method, covering fundamental theory and worked examples in the detail required for readers to apply the knowledge to their own engineering problems and understand more advanced applications. This edition sees a significant rearrangement of the book's content to enable clearer development of the finite element method, with major new chapters and sections added to cover: Weak forms Variational forms Multi-dimensional field problems Automatic mesh generation

Plate bending and shells Developments in meshless techniques Focusing on the core knowledge, mathematical and analytical tools needed for successful application, The Finite Element Method: Its Basis and Fundamentals is the authoritative resource of choice for graduate level students, researchers and professional engineers involved in finite element-based engineering analysis. A proven keystone reference in the library of any engineer needing to understand and apply the finite element method in design and development. Founded by an influential pioneer in the field and updated in this seventh edition by an author team incorporating academic authority and industrial simulation experience. Features reworked and reordered contents for clearer development of the theory, plus new chapters and sections on mesh generation, plate bending, shells, weak forms and variational forms.

Armenia, the Regional Powers, and the West

21st Century Economics: A Reference Handbook

Astronomical Papers Prepared for the Use of the American Ephemeris and Nautical Almanac

The European Union's External Action in Times of Crisis

The Oxford Handbook of Well-Being and Public Policy

eWork and eBusiness in Architecture, Engineering and Construction

BEST RESOURCE AVAILABLE FOR GETTING YOUR FICTION PUBLISHED For three decades, fiction writers have turned to Novel & Short Story Writer's Market to keep them up-to-date on the industry and help them get published. Whatever your genre or form, the 2010 edition of Novel & Short Story Writer's Market tells you who to contact and what to send them. In this edition you'll find: • Complete, up-to-date contact information for 1,200 book publishers, magazines and journals, literary agents, contests and conferences. • News with novelists such as Gregory Frost, Jonathan Mayberry, Carolyn Hart, Chelsea Cain, Mary Rosenblum, Brian Evenson and Patricia Briggs, plus interviews with four debut authors who share their stories and offer advice. • Nearly 200 pages of informative and inspirational articles on the craft and business of fiction, including pieces on a writing humor, satire, unsympathetic characters, and genre fiction; tips from editors and authors on how to get published; exercises to improve your craft; and more. • Features devoted to genre writing including romance, mystery, and speculative fiction. • And new this year: access to all Novel & Short Story Writer's Market listings in a searchable online database!

Interest in economics is at an all-time high. Among the challenges facing the nation is an economy with rapidly rising unemployment, failures of major businesses and industries, and continued dependence on oil with its wildly fluctuating price. Economists have dealt with such questions for generations, but they have taken on new meaning and significance. Tackling these questions and encompassing analysis of traditional economic theory and topics as well as those that economists have only more recently addressed, 21st Century Economics: A Reference Handbook is a must-have reference resource. Key Features Provides highly readable summaries of theory and models in key areas of micro and macroeconomics, helpful for students trying to get a "big picture" sense of the field Includes introductions to relevant theory as well as empirical evidence, useful for readers interested in learning about economic analysis of an issue as well for students embarking on research projects Features chapters focused on cutting-edge topics with appeal for economists seeking to learn about extensions of analysis into new areas as well as new approaches Presents models in graphical format and summarizes empirical evidence in ways that do not require much background in statistics or econometrics, so as to maximize accessibility to students

Decolonisation after Democracy addresses the provocative idea that we need to rid higher education of lingering forms of colonial knowledge. This matters because in the colonial era much knowledge was put to the service of subjugating indigenous peoples, and the assumptions from this era may linger into the present. Examples of deep-rooted and 'foundational' forms of knowledge that carry colonial traits are normative binaries such as 'civilised and backward', 'modern and traditional' and 'rational and superstitious'. In addition, some accounts of positive values like freedom, equality, justice and democracy may hide the assumption that the western experience is the norm, from which other kinds are rendered imitations, deviations or pathologies. In this collection, some of South Africa's leading political scientists and academics engage with the challenge of decolonising knowledge in the research and teaching of politics. It includes new insights about the state, international relations, clientelism, statesociety relations and land reform; and introduces new ways to engage the colonial library, curriculum reform, and the marginality of historically black institutions. Finally, the contributors deal with the decolonial challenge posed by the #FeesMustFall student movements, reflecting on issues of revolutionary politics and gender and sexual violence. This book was originally published as a special issue of *Politikon*.

The Finite Element Method
Climatological Data

The Changing Media Landscape in a Broadband Age

Intra-Abdominal Hypertension

China's Media Go Global

PACS-Based Multimedia Imaging Informatics

This book analyzes China's foreign technology acquisition activity and how this has helped its rapid rise to superpower status. Since 1949, China has operated a vast and unique system of foreign technology spotting and transfer aimed at accelerating civilian and military development, reducing the cost of basic research, and shoring up its power domestically and abroad—without running the political risks borne by liberal societies as a basis for their creative developments. While discounted in some circles as derivative and consigned to perpetual catch-up mode, China's "hybrid" system of legal, illegal, and extralegal import of foreign technology, combined with its indigenous efforts, is, the authors believe, enormously effective and must be taken seriously. Accordingly, in this volume, 17 international specialists combine their scholarship to portray the system's structure and functioning in heretofore unseen detail, using primary Chinese sources to demonstrate the perniciousness of the problem in a manner not likely to be controverted. The book concludes with a series of recommendations culled from the authors' interactions with experts worldwide. This book will be of much interest to students of Chinese politics, US foreign policy, intelligence studies, science and technology studies, and International Relations in general.

The Affect of Difference is a collection of essays offering a new perspective on the history of race and racial ideologies in modern East Asia. Contributors approach this subject through the exploration of everyday culture from a range of academic disciplines, each working to show how race was made visible and present as a potential means of identification. By analyzing artifacts from diverse media including travelogues, records of speech, photographs, radio broadcasts, surgical techniques, tattoos, anthropometric postcards, fiction, the popular press, film and soundtracks—an archive that chronicles the quotidian experiences of the colonized—their essays shed light on the politics of inclusion and exclusion that underpinned Japanese empire. One way this volume sets itself apart is in its use of affect as a key analytical category. Colonial politics depended heavily on the sentiments and moods aroused by media representations of race, and authorities promoted strategies that included the colonized as imperial subjects while simultaneously excluding them on the basis of "natural" differences. Chapters demonstrate how this dynamic operated by showing the close attention of empire to intimate matters including language, dress, sexuality, family, and hygiene. The focus on affect elucidates the representational logic of both imperialist and racist discourses by providing a way to talk about inequalities that are not clear cut, to show gradations of power or shifts in definitions of normality that are otherwise difficult to discern, and to present a finely grained perspective on everyday life under racist empire. It also alerts us to the subtle, often unseen ways in which imperial or racist affects may operate beyond the reach of our methodologies. Taken together, the essays in this volume bring the case of Japanese empire into comparative proximity with other imperial situations and contribute to a deeper, more sophisticated understanding of the role that race has played in East Asian empire.

Thoroughly revised to present the very latest in PACS-based multimedia in medical imaging informatics—from the electronic patient record to the full range of topics in digital medical imaging—this new edition by the founder of PACS and multimedia image informatics features even more clinically applicable material than ever before. It uses the framework of PACS-based image informatics, not physics or engineering principles, to explain PACS-based multimedia informatics and its application in clinical settings and labs. New topics include Data Grid and Cloud Computing, IHE XDS-I Workflow Profile (Integrating the Healthcare Enterprise Cross-enterprise Document Sharing for Imaging), extending XDS to share images, and diagnostic reports and related information across a group of enterprise health care sites. PACS-Based Multimedia Imaging Informatics is presented in 4 sections. Part I covers the beginning and history of Medical Imaging, PACS, and Imaging Informatics. The other three sections cover Medical Imaging, Industrial Guidelines, Standards, and Compliance; Informatics, Data Grid, Workstation, Radiation Therapy, Simulators, Molecular Imaging, Archive Server, and Cloud Computing; and multimedia Imaging Informatics, Computer-Aided Diagnosis (CAD), Image-Guide Decision Support, Proton Therapy, Minimally Invasive Multimedia Image-Assisted Surgery, BIG DATA. New chapter on Molecular Imaging Informatics Expanded coverage of PACS and eHR's (Electronic Health Record), with HIPPA compliance New coverage of PACS-based CAD (Computer-Aided Diagnosis) Reorganized and expanded clinical chapters discuss one distinct clinical application each Minimally invasive image assisted surgery in translational medicine Authored by the world's first and still leading authority on PACS and medical imaging PACS-Based Multimedia Imaging Informatics: Basic Principles and Applications, 3rd Edition is the single most comprehensive and authoritative resource that thoroughly covers the critical issues of PACS-based hardware and software design and implementation in a systematic and easily comprehensible manner. It is a must-have book for all those involved in designing, implementing, and using PACS-based Multimedia Imaging Informatics.

Design, Alignment, and Application

County Business Patterns

Decolonisation after Democracy

Computational Fluid Dynamics 2010

Business Web Strategy: Design, Alignment, and Application

Rethinking the Research and Teaching of Political Science in South Africa

What are the methodologies for assessing and improving governmental policy in light of well-being? The Oxford Handbook of Well-Being and Public Policy provides a comprehensive, interdisciplinary treatment of this topic. The contributors draw from welfare economics, moral philosophy, and psychology and are leading scholars in these fields. The Handbook includes thirty chapters divided into four Parts. Part I covers the full range of methodologies for evaluating governmental policy and assessing societal condition-including both the leading approaches in current use by policymakers and academics (such as GDP, cost-benefit analysis, cost-effectiveness analysis, inequality and poverty metrics, and the concept of the "social welfare function"), and emerging techniques. Part II focuses on the nature of well-being. What, most fundamentally, determines whether an individual life is better or worse for the person living it? Her happiness? Her preference-satisfaction? Her attainment of various "objective goods"? Part III addresses the measurement of well-being and the thorny topic of interpersonal comparisons. How can we construct a meaningful scale of individual welfare, which allows for comparisons of well-being levels and differences, both within one individual's life, and across lives? Finally, Part IV reviews the major challenges to designing governmental policy around individual well-being.

A Conceptual Model

Injury Prevention and Environmental Health

Hourly Precipitation Data

Queers in American Popular Culture

STAR

Its Basis and Fundamentals