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This book constitutes the thoroughly refereed post-conference proceedings of the Third International Workshop on Energy Efficient Data Centers, E2DC 2014, held in Cambridge, UK, in June 2014. The 10 revised full papers presented were carefully selected from numerous submissions. They are organized in three topical sections named: energy optimization algorithms and models, the future role of data centres in Europe and energy efficiency metrics for data centres. NTA-CSIR-NET/JRF (Compulsory Paper) General Aptitude: Part A Chapter-wise Solved Papers Education has changed dramatically in recent years as educational technologies evolve and develop at a rapid pace. Teachers and institutions must constantly update their practices and curricula to match this changing landscape to ensure students receive the best education possible. 3D printing has emerged as a new technology that has the potential to enhance student learning and development. Moreover, the availability of makerspaces within schools and libraries allows students to utilize technologies that drive creativity. Further study on the strategies and challenges of implementation is needed for educators to appropriately adopt these learning practices. The Research Anthology on Makerspaces and 3D Printing in Education considers the benefits these technologies provide in relation to education as well as the various ways they can be utilized in the classroom for student learning. The book also provides a review of the difficulties educators face when implementing these technologies into their curricula and ensuring student success. Covering topics such as educational technologies, creativity, and online learning, this major reference work is ideal for administrators, principals, researchers, scholars, practitioners, academicians, instructors, and students. This book is used as a revision paper for those students who are going to appear UGC NET JRF Commerce Examination and Assistant Professor Examination. The book is fully updated as per the provision of the Finance Act 2021 and applicable for Assessment Year 2022-23, This book explores the relations between the EU and the BRICS in the areas of politics, economic development, trade and security. The contributions cover topics such as the position of the EU and BRICS in the global

order and the EU as a "normative power," as well as the evolution, characteristics and institutionalization of BRICS and the roles of its member countries Brazil, Russia, India, China, South Africa. The book will appeal to researchers and scholars interested in the rise of BRICS and the resulting challenges and opportunities for the European Union and Global Governance. Co-enrollment programming in deaf education refers to classrooms in which a critical mass of deaf and hard-of-hearing (DHH) students is included in a classroom containing mainly hearing students and which is taught by both a mainstream teacher and a teacher of the deaf. It thus offers full access to both DHH and hearing students in the classroom through "co-teaching" and avoids academic segregation of DHH students, as well as their integration into classes with hearing students without appropriate support services or modification of instructional methods and materials. Co-enrollment thus seeks to give DHH learners the best of both (mainstream and separate) educational worlds. Described as a "bright light on the educational horizon," co-enrollment programming provides unique educational opportunities and educational access for DHH learners comparable to that of their hearing peers. Co-enrollment programming shows great promise. However, research concerning co-enrollment programming for DHH learners is still in its infancy. This volume sheds light on this potentially groundbreaking method of education, providing descriptions of 14 co-enrollment programs from around the world, explaining their origins, functioning, and available outcomes. Set in the larger context of what we know and what we don't know about educating DHH learners, the volume offers readers a vision of a brighter future in deaf education for DHH children, their parents, and their communities.

UGC NTA NET/JRF English Previous Year Solved Papers 2007-2019 (34 Papers Included) Table of Contents

1. NET/JRF Exam, June-2019 Subject English Paper-II
2. NET/JRF Exam, December-2018 Subject English Paper-II
3. NET/JRF Exam, July-2018 Subject English Paper-II
4. NET/JRF Exam, November-2017 Subject English Paper-II
5. NET/JRF Exam, November-2017 Subject English Paper-III
6. NET/JRF Exam, January-2017 Subject English Paper-II
7. NET/JRF Exam, January-2017 Subject English Paper-III
8. NET/JRF Exam, July-2016 Subject English Paper-II
9. NET/JRF Exam, July-2016 Subject English Paper-III
10. NET/JRF Exam, December-2015 Subject English Paper-II
11. NET/JRF Exam, December-2015 Subject English Paper-III
12. NET/JRF Exam, June-2015 Subject English Paper-II
13. NET/JRF Exam, June-2015 Subject English Paper-III
14. NET/JRF Exam, December-2014 Subject English Paper-II
15. NET/JRF Exam, December-2014 Subject English Paper-III
16. NET/JRF Exam, June-2014 Subject English Paper-II
17. NET/JRF Exam, June-2014 Subject English Paper-III
18. NET/JRF Exam, December-2013 Subject English Paper-II
19. NET/JRF Exam, December-2013 Subject English Paper-III
20. NET/JRF Exam, June-2013 Subject English Paper-II
21. NET/JRF Exam, June-2013 Subject English Paper-III
22. NET/JRF Exam, December-2012 Subject English Paper-II
23. NET/JRF Exam, December-2012 Subject English Paper-III
24. NET/JRF Exam, June-2012 Subject English Paper-II
25. NET/JRF Exam, June-2012 Subject English Paper-III
26. NET/JRF Exam, December-2011 Subject English Paper-II
27. NET/JRF Exam, June-2011 Subject English Paper-II
28. NET/JRF Exam, December-2010 Subject English Paper-II
29. NET/JRF Exam, June-2010 Subject English Paper-II
30. NET/JRF Exam, December-2009 Subject English Paper-II
31. NET/JRF Exam, June-2009 Subject English Paper-II
32. NET/JRF Exam, December-2008 Subject English Paper-II
33. NET/JRF Exam, June-2008 Subject English Paper-II
34. NET/JRF Exam, December-2007 Subject English Paper-II

Syllabus English NET JRF UNIVERSITY GRANTS COMMISSION NET BUREAU NET SYLLABUS Subject: English Code No. : 30 Unit -I : Drama Unit -II : Poetry Unit -III : Fiction, short story Unit -IV : Non-Fictional Prose NOTE: The first four units must also be tested through comprehension passages to assess critical reading, critical thinking and writing skills. These four units will cover all literatures in English. Unit -V : Language: Basic concepts, theories and pedagogy. English in Use. Unit -VI : English in India: history, evolution and futures Unit -VII : Cultural Studies Unit -VIII : Literary Criticism Unit -IX : Literary Theory post World War II Unit -X : Research Methods and Materials in English An accelerating pattern in Australia and internationally is the dismantling of public education systems as part of a long-standing trend towards the modernisation, marketisation and privatisation of educational provision. Responsibility for direct delivery of education services has been shifted to

contracting and monitoring under the clarion call of school and leadership autonomy and parental choice. Part of this pattern is an increasing blurring of boundaries between the state and private sector, a move from government to new forms of 'strategic' governance, and from hierarchy to heterarchy. *Challenges for Public Education* examines the educational leadership, policy and social justice implications of these trends in Australia and internationally. It maps this movement through early shifts to school-based management in Australia, New Zealand and Sweden and recent moves such as the academies programme in England and charter schools in the United States. It draws on recent studies of a distinct new phase in Australian school reform - the creation of 'independent public schools' (IPS) in Western Australia and Queensland - and global policy moves in public education in order to provide a truly international dialogue and debate on these matters. This book moves beyond critique. It innovatively brings together Australian and international perspectives and a rich range of diverse theoretical lenses: practice philosophy, feminism, gender, relational, and postmodernism. As such, it provides a crucial forum for illuminating alternate ways to conceptualise educational leadership, policy and social justice as resources for hope. This book reviews the key policy debates during the post-crash era, describing the issues that policymakers grappled with, the decisions that they took and the details of the policy instruments that were created. It focuses specifically on the policy regimes at the epicentre of the crisis: micro- and macro-prudential policy with chapters exploring the revolution in the conduct of macroeconomic policy in the period since the financial crisis. The author shows that throughout this period policymakers have had to balance two conflicting objectives - to repair balance sheets in the banking and public sectors whilst simultaneously trying to catalyse an economic recovery - and that has required them to innovate new tools and even new policy regimes in response. This book goes behind the jargon and explains what exactly policymakers at the Bank of England, the Treasury and beyond did and why, from QE to austerity to Basel III. This book constitutes the refereed proceedings of the 12th International Conference on Intelligent Tutoring Systems, ITS 2014, held in Honolulu, HI, USA, in June 2014. The 31 revised full papers, 45 short papers and 27 posters presented were carefully viewed and selected from 177 submissions. The specific theme of the ITS 2014 conference is "Creating fertile soil for learning interactions". Besides that, the highly interdisciplinary ITS conferences bring together researchers in computer science, learning sciences, cognitive and educational psychology, sociology, cognitive science, artificial intelligence, machine learning and linguistics. The papers are organized in topical sections on affect; multimodality and metacognition; collaborative learning; data mining and student behavior; dialogue and discourse; generating hints, scaffolds and questions; game-based learning and simulation; graphical representations and learning; student strategies and problem solving; scaling ITS and assessment. Featuring real-world examples and practical methodology, this rigorous text combines mechanical theory with design and modelling. This Palgrave Pivot assesses the impact of the regulatory framework for derivatives built post-crisis and examines its ambition to centralize and minimize credit risk, enhance transparency, and regain control. Zelenko delves into the powerful destabilizing forces exerted by derivatives markets in the global financial meltdown of 2008. Recapping the evolution in markets and counterparty risk management, as well as key aspects of regulation and their impact, this book aims to give readers the big picture and foster a deep understanding of the role of derivatives markets in the financial crisis. This practical angle will give useful keys to end-users and their risk managers, as they are faced with a new, complex, and changing environment. Additionally, this book conducts a comprehensive analysis of the new metrics the market has created to model, price, and manage credit risk, such as the Credit Value Adjustment (CVA), the Debt Value Adjustment (DVA), or the Funding Value Adjustment (FVA), and takes full stock of a domain that is still in rapid evolution. This volume covers the concepts, methods, and approaches taken by banks to manage counterparty credit risk in their derivatives activities in the new post-crisis market and regulatory environment, and it aims to highlight what is practical and effective today. The advent of digital technologies has changed the news and publishing industries drastically. While shrinking newsrooms may be a concern for many, journalists and publishing professionals are working to reorient their

skills and capabilities to employ technology for the purpose of better understanding and engaging with their audiences. Contemporary Research Methods and Data Analytics in the News Industry highlights the research behind the innovations and emerging practices being implemented within the journalism industry. This crucial, industry-shattering publication focuses on key topics in social media and video streaming as a new form of media communication as well the application of big data and data analytics for collecting information and drawing conclusions about the current and future state of print and digital news. Due to significant insight surrounding the latest applications and technologies affecting the news industry, this publication is a must-have resource for journalists, analysts, news media professionals, social media strategists, researchers, television news producers, and upper-level students in journalism and media studies. This timely industry resource includes key topics on the changing scope of the news and publishing industries including, but not limited to, big data, broadcast journalism, computational journalism, computer-mediated communication, data scraping, digital media, news media, social media, text mining, and user experience. "The research presented in this book provides analytical frameworks and case studies on engineering practices in education and professional work. The studies are inspired by practice theory as well as science and technology studies. The contributions demonstrate how these practices mutually dependent in co-construction processes in different domains of engineering. In order to demonstrate these essentially dynamic features, the empirical material is aimed at unravelling the interrelatedness of educational and work practices in engineering and analysing them as inherently situated in order to understand how engineering professionalism is produced. The studies are motivated by the following questions: How can we understand different engineering practices and how do they relate? Which dimensions facilitate transitions between educational practices and work practices? Where is engineering professionalism learned and the engineering 'mindset' constituted? How does engineering professionalism change in response to societal challenges? The studies focus on the responses to societal challenges in education and professional work settings. The outcomes show how engineering has responded to challenges concerning environment, energy, sustainability, design, user interactions, community engagement and entrepreneurship. This has been done through the identification of codes of meaning and the institutions that frame the translation from challenges to professional responses. How these responses are performed within engineering professionalism is crucial for the societal role of engineering. The concluding chapter synthesizes the answers to these questions and the lessons learned from attempts to develop engineering in the different settings studied. It highlights the linkages among them, drawing on findings and details from the individual chapters as well as the literature in which they are situated, showing how the different sites interact and produce specific representations and frameworks central to engineering professionalism." 30 Solved Papers of UGC NET Paper 1 Exam (2004 - 2018) consists of past years (authentic) solved papers from 2018 Phase II to 2004 Phase II. The solutions have been prepared after a thorough research. The book contains 1700+ questions of 10 Units as prescribed in the UGC syllabus. The detailed solutions are provided immediately after each paper. The book is also useful for SET (JRF & Asst. Professor). This book constitutes the thoroughly refereed proceedings of five international workshops held in Thessaloniki, Greece, in conjunction with the 26th International Conference on Advanced Information Systems Engineering, CAiSE 2014, in June 2014. The 24 full and eight short papers were carefully selected from 63 submissions. The five workshops were the First International Workshop on Advanced Probability and Statistics in Information Systems (APSiS), the First International Workshop on Advances in Services Design Based on the Notion of Capability, the Second International Workshop on Cognitive Aspects of Information Systems Engineering (COGNISE), the Third Workshop on New Generation Enterprise and Business Innovation Systems (NGEBIS), and the 4th International Workshop on Information Systems Security Engineering (WISSE). Crowdfunding for SMEs: A European Perspective provides a valuable insight into this new source of capital. In particular, the authors focus on financial return crowdfunding, which repays the crowd either through debt or equity. This source of capital might play a significant role in the future becoming an alternative or a

complement to traditional funding sources. It is therefore of the uttermost importance to understand what has boosted its exponential growth in recent years, as well as the key drivers of success of P2P lending and equity crowdfunding campaigns on both the funders and the fundraisers side. Due to the financial nature of the return provided to the crowd, financial return crowdfunding has been the object of recent waves of regulation, although the European Union still lacks a set of common rules. The aim of regulation should be twofold, to protect investors and, at the same time, to favor the financing for SMEs. In this book, the authors explore such issues and the regulatory policies, while looking to the future of financial return crowdfunding as an evolving source of capital. This volume examines the diverse ways in which universities and colleges around the world are partnering and collaborating with other institutions to fulfill their missions and visions. This book presents a showcase of discussions and critical perspectives about Nepalese higher education. Its chapters cover topics such as the impacts of local sociopolitical changes and global forces on public and private education, emerging online and distance education, administrative and intellectual leadership, quality assessment, graduate employability, global mobility of students, and the contributions of global diaspora of Nepalese scholars. The central questions of the book are: What are some of the local and global academic interactions in Nepalese higher education and what are the current challenges and pathways for advancements and improvements? How can Nepalese higher education absorb twenty-first century values of quality education as external forces, while adapting new developments to local needs? How can scholars interested in Nepalese, South Asian, and international higher education create opportunities for scholarship and professional collaboration around research on higher education in this region of South Asia? What issues and perspectives can research and scholarship about Nepal's higher education offer to international discourse in higher education? The book offers information and resources to international educators interested in the dynamics of Nepalese and, by implication, South Asian higher education by introducing key challenges in policy and programs, innovative changes in curricula, effective approaches in technology application, and strategies for future integration of global reforms in education. This book offers a selection of intensely researched essays focused on the critical planning objectives and policy priorities that would enhance the promotion of inclusive growth in a developing country. It has taken Bangladesh as the case study. It argues for rethinking of traditional policies and provides arguments and ways to reorient these toward inclusive growth and better social inclusion. These involve a dedicated focus on employment and inclusion in the design of monetary and fiscal policies, trade and industrial policies, policies toward rural non-farm employment, social protection and safety net strategy and the nature of institutional and governance reforms which are imperative for ensuring inclusive growth. The studies included in the book were prepared before or at the onset of the ongoing COVID-19 pandemic and the unfolding economic crisis; yet they provide cursory observations on its likely impact, and underscore how the stated principles and policies of an inclusive growth strategy have become even more significant in the present situation. Bangladesh has been growing respectably during the past decade and a half and has arguably shown strong progress in several social indicators. However, inequality and vulnerability are rising alarmingly, and the economy is beset with high levels of corruption, as well as with various other governance deficits that can adversely affect future growth and social inclusion. The book provides a critical assessment of how far growth in Bangladesh has been inclusive, both over time, and in comparison to selected South and Southeast Asian countries. It constructs a specific 'inclusive growth index' with reference to what the study considers as the significant goals and pillars of inclusive growth. Bangladesh is not the only developing country that is faced with the arduous task of tackling unbalanced economic growth and of implementing the 2030 Agenda. Rising vulnerability, inequality, disappointing job growth and poor governance are also major challenges to inclusive growth for many countries in the Global South. Therefore, the appeal of this book extends well beyond the borders of Bangladesh and the South Asian region. Corresponding to SDG 8, the book is aimed at academia, researchers, policymakers, civil society leaders as well as other national and international development practitioners with an avid interest in issues concerning growth with

equity, and in sync with the 2030 Agenda for Sustainable Development. In addition, the book is a valuable resource for interested students of disciplines related to economics and development policy. BPP Learning Media's status as official ACCA Approved Learning Provider - Content means our ACCA Study Texts and Practice & Revision Kits are reviewed by the ACCA examining team. BPP Learning Media products provide you with the exam focussed material you need for exam success. This book presents research that applies contemporary monetary theory and state-of-the-art econometric methods to the analysis of the monetary and financial aspects of the Indian economy and the impact of monetary policy on economic performance. Indian monetary policy has attracted significant attention from Indian and international macroeconomists over the last several years. Interest in how monetary policy influences economic performance and how monetary policy is conducted in India is growing. The prospects for further financial sector reform and ongoing inflation in India have sparked new interest in the role of money and monetary policy in India among economists, policy makers and students alike. The book should also interest economists outside India because it studies monetary economics in a major emerging market economy and makes advances in the analysis of how financial market imperfections and structural constraints influence the effects of monetary policy. The adoption of cloud and IoT technologies in both the industrial and academic communities has enabled the discovery of numerous applications and ignited countless new research opportunities. With numerous professional markets benefiting from these advancements, it is easy to forget the non-technical issues that accompany technologies like these. Despite the advantages that these systems bring, significant ethical questions and regulatory issues have become prominent areas of discussion. Social, Legal, and Ethical Implications of IoT, Cloud, and Edge Computing Technologies is a pivotal reference source that provides vital research on the non-technical repercussions of IoT technology adoption. While highlighting topics such as smart cities, environmental monitoring, and data privacy, this publication explores the regulatory and ethical risks that stem from computing technologies. This book is ideally designed for researchers, engineers, practitioners, students, academicians, developers, policymakers, scientists, and educators seeking current research on the sociological impact of cloud and IoT technologies. Ukraine has been wracked by a year of unprecedented political, economic, and military turmoil. Russian military aggression in the east and a legacy of destructive policies and corruption have created an imminent existential crisis for this young democracy. Yet Ukraine also has a great opportunity to break out of economic underperformance. In this study, Anders Åslund, one of the world's leading experts on Ukraine, traces Ukraine's evolution as a market economy starting with the fall of communism and examines the economic impact of its recent difficulties. Åslund argues that Ukraine must undertake sweeping political, economic, social, and government reforms to achieve prosperity and independence. For its part, the West must abandon its hesitant approach and provide broad economic assistance to help Ukraine transform itself. The OECD Science, Technology and Industry Outlook 2014 reviews key trends in science, technology and innovation (STI) policies, and performance in more than 45 economies, including OECD countries and major emerging economies. This collection explores the changing nature of health discourse in different digital environments. It offers sustained discourse analyses of a number of interactions generated through the affordances and constraints of these new social contexts, which are affecting health communication in subtle and profound ways. As societies become more complex and interconnected, the global risk for catastrophic disasters is increasing. Demand for expertise to mitigate the human suffering and damage these events cause is also high. A new field of disaster medicine is emerging, offering innovative approaches to optimize disaster management. Much of the information needed to create the foundation for this growing specialty is not objectively described or is scattered among multiple different sources. This definitive work brings together a coherent and comprehensive collection of scientific observations and evidence-based recommendations with expert contributors from around the globe. This book identifies essential subject matter, clarifies nomenclature, and outlines necessary areas of proficiency for healthcare professionals handling mass casualty crises. It also describes in-depth strategies for the rapid diagnosis and treatment of victims suffering from blast injuries or exposure to

chemical, biological, and radiological agents. Providing a timely contribution to the ongoing questions surrounding topics which are by definition subject to varying stakeholder interpretations, this book addresses “the missing link” between theoretical CSR concepts and everyday management practice. It acts as a guide to awaken managers to the advantages of adopting a CSR “mindset” when developing sustainable business strategies. The book consists of three parts: 1) A theoretical realm which establishes the key concepts and rationale for the adoption of a sustainable CSR approach, 2) A practical realm which addresses putting CSR and sustainability into business practice, 3) An educational realm which proposes how to incorporate the concepts into teaching and training.

Language development, and the challenges it can present for individuals who are deaf or hard-of-hearing, have long been a focus of research, theory, and practice in D/deaf studies and deaf education. Over the past 150 years, but most especially near the end of the 20th and beginning of the 21st century, advances in the acquisition and development of language competencies and skills have been increasing rapidly. This volume addresses many of those accomplishments as well as remaining challenges and new questions that have arisen from multiple perspectives: theoretical, linguistic, social-emotional, neuro-biological, and socio-cultural. Contributors comprise an international group of prominent scholars and practitioners from a variety of academic and clinical backgrounds. The result is a volume that addresses, in detail, current knowledge, emerging questions, and innovative educational practice in a variety of contexts. The volume takes on topics such as discussion of the transformation of efforts to identify a “best” language approach (the “sign” versus “speech” debate) to a stronger focus on individual strengths, potentials, and choices for selecting and even combining approaches; the effects of language on other areas of development as well as effects from other domains on language itself; and how neurological, socio-cognitive, and linguistic bases of learning are leading to more specialized approaches to instruction that address the challenges that remain for deaf and hard-of-hearing individuals. This volume both complements and extends *The Oxford Handbook of Deaf Studies and Deaf Education, Volumes 1 and 2*, going further into the unique challenges and demands for deaf or hard-of-hearing individuals than any other text and providing not only compilations of what is known but setting the course for investigating what is still to be learned.

Integrated Gasification Combined Cycle (IGCC) Technologies discusses this innovative power generation technology that combines modern coal gasification technology with both gas turbine and steam turbine power generation, an important emerging technology which has the potential to significantly improve the efficiencies and emissions of coal power plants. The advantages of this technology over conventional pulverized coal power plants include fuel flexibility, greater efficiencies, and very low pollutant emissions. The book reviews the current status and future developments of key technologies involved in IGCC plants and how they can be integrated to maximize efficiency and reduce the cost of electricity generation in a carbon-constrained world. The first part of this book introduces the principles of IGCC systems and the fuel types for use in IGCC systems. The second part covers syngas production within IGCC systems. The third part looks at syngas cleaning, the separation of CO₂ and hydrogen enrichment, with final sections describing the gas turbine combined cycle and presenting several case studies of existing IGCC plants. Provides an in-depth, multi-contributor overview of integrated gasification combined cycle technologies Reviews the current status and future developments of key technologies involved in IGCC plants Provides several case studies of existing IGCC plants around the world This book traces the development of the political institutions, electoral systems, parties, civil society, economic and social policies and foreign affairs of the three Baltic states of Estonia, Latvia and Lithuania over the last quarter century.