

Wednesday 3 June 2015 – Morning

GCSE COMPUTING

A451/01 Computer Systems and Programming

Candidates answer on the Question Paper.

OCR supplied materials:
None

Other materials required:

- Calculators are allowed in this exam

Duration: 1 hour 30 minutes



Candidate
forename

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INSTRUCTIONS TO CANDIDATES

- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer all the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
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INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is 80.
- The Quality of Written Communication is assessed in questions marked with an asterisk (*).
- This document consists of 20 pages. Any blank pages are indicated.

Ocr Core 3 June 2012 Past Paper

Philip Banyard, Cara Flanagan



Ocr Core 3 June 2012 Past Paper:

Lowe's Transport Manager's and Operator's Handbook 2016 David Lowe, Clive Pidgeon, 2016-02-03 Now in its 46th edition Lowe's Transport Manager's and Operator's Handbook is the most comprehensive guide available to the operational rules and guidelines governing the UK's road transport operators. This best-selling handbook provides an essential reference to factors that are of utmost importance in today's road transport industry. It includes details on professional competence, working times and driving hours rules, speed cameras and penalties, the international road haulage market and drugs testing for drivers. Lowe's Transport Manager's and Operator's Handbook is the essential reference source for any transport manager, fleet operator, owner, driver, haulier or student with an involvement in the industry. The 46th edition has been thoroughly updated and revised to reflect the latest developments in the industry.

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Main results and metadata by country (2006-2015) Food and Agriculture Organization of the United Nations,2019-11-15 At the end of each round the FAO Statistics Division reviews and assesses national census practices methodologies and results and summarizes the findings in methodological publications under the Statistical Development Series SDS The SDS 17 i e this first publication is a compendium of reviews of country agricultural censuses conducted during the WCA 2010 round which covers the period 2006 2015 and their main results This publication includes detailed metadata on agricultural censuses conducted by different countries Apart from providing information on historical background legal institutional frameworks and international collaboration the publication also provides an overview of the census staff reference and enumeration periods scope and coverage methodological modalities frame data collection methods questionnaires used new technology used data processing and archiving and census data quality and dissemination The metadata reviews are complemented by tables with main results on key structural characteristics such as number of holdings total area of holdings area irrigated machinery gender and sex of holders number of household members farm labor livestock and crop areas This review of the WCA 2010 round is intended to serve as useful reference material for census planners and data users providing valuable lessons for future censuses which will ultimately lead to improved assessments of countries agricultural sectors

Digitizing Flat Media Joy M. Perrin,2015-12-16 Here is a concise guide to the nuts and bolts of converting flat media books papers maps posters slides micro formats etc into digital files It provides librarians and archivists with the practical knowledge to understand the process and decision making in the digitization of flat media Instead of having to learn by trial and error they will get a well rounded education of the practical aspects of digitization and have a better understanding of their options This is the stuff they don t teach you in school People can be lured into thinking that all it takes to digitize something is a scanner and some metadata This guide illustrates the practical aspects of digitization such as the physical challenges of scanning books without cutting the spine the differences between a scanner that uses a scanning head vs a scanner that uses a camera the different options for workflow for digitized items and the reasons for choosing one scanner over another for reasons other than price *Digitizing Flat Media Principles and Practices* is intended to give librarians and archivists the benefit a seasoned digitization professional guiding them and helping them figure out exactly what needs to be done when

Assessing English Language Learners: Bridges to Educational Equity Margo Gottlieb,2016-03-22 Build the bridges for English language learners to reach success Ten years

ago the first edition of Margo Gottlieb's *Assessing English Language Learners* changed the dialogue about how educators envision educational equity for students. Since then the ELL and dual language student populations have grown exponentially and so has the need for forward thinking and effective approaches to facilitating students' academic language development alongside their content knowledge. This thoroughly updated edition of Gottlieb's classic delivers a complete set of tools, techniques, and ideas for planning and implementing instructional assessment. The book includes:

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W. James Popham, Professor Emeritus, University of California, Los Angeles

There are no other books available that cover the topic of fair and equitable assessment practices for English learners as comprehensively as this one. Nor are there any other books with such a rich selection of tools readily available for practitioners. It must belong in every TESOL professional's library.

Andrea Honigsfeld, Associate Dean and EdD Program Director, Molloy College

Earthquake Geotechnical Engineering for Protection and Development of Environment and Constructions

Francesco Silvestri, Nicola Moraci, 2019-10-22

Earthquake Geotechnical Engineering for Protection and Development of Environment and Constructions contains invited keynote and theme lectures and regular papers presented at the 7th International Conference on Earthquake Geotechnical Engineering, Rome, Italy, 17-20 June 2019. The contributions deal with recent developments and advancements as well as case histories, field monitoring, experimental characterization, physical and analytical modelling, and applications related to the variety of environmental phenomena induced by earthquakes in soils and their effects on engineered systems interacting with them. The book is divided into the sections below:

- Invited papers
- Keynote papers
- Theme lectures
- Special Session on Large Scale Testing
- Special Session on Liquefaction
- Projects
- Special Session on Lessons learned from recent earthquakes
- Special Session on the Central Italy earthquake
- Regular papers

Earthquake Geotechnical Engineering for Protection and Development of Environment and Constructions provides a significant up-to-date collection of recent experiences and developments and aims at engineers, geologists, and seismologists, consultants, public and private contractors, local, national, and international authorities, and to all those involved in research and practice related to Earthquake Geotechnical Engineering.

The Dynamics of Opportunity in America

Irwin Kirsch, Henry Braun, 2016-01-22

Across the country, our children are beginning life from very different starting points. Some have

aspirations and believe they can be achieved For too many others aspirations are tempered if not dashed by the sobering realities of everyday life These different starting points place children on distinctly different trajectories of growth and development ultimately leading to vastly different adult outcomes How did we get to a place where circumstances of birth have become so determinative And what must we do within communities and across our country to better equalize opportunity for more Americans both young and old The editors of this volume contend that if as a nation we do nothing then we will continue to drift apart placing an unsustainable strain on the nation s social fabric and the character of its democracy Consequently understanding the dynamics governing the distribution and transmission of opportunity and transforming this understanding into policies and programs is critical for not only the life outcomes of individual Americans and their children but also the country as a whole The goal of Educational Testing Service s Opportunity in America initiative is to explore these powerful dynamics and to describe and convey them in a way that advances the national conversation about why we must take action and how best to do so This volume contains 14 chapters including an epilogue written by leaders from a range of fields including education economics demography and political science Collectively they not only illuminate key aspects of the problem but also offer suggestions of what policies programs and changes in practices could begin to reverse the trends we are seeing Written in an engaging style this volume constitutes an essential foundation for informed discussion and strategic analysis

Advanced Maths Essentials. Core 3 for OCR Janet Crawshaw, Keith Gordon, Kathryn Scott, 2005-12-16 This work provides thorough exam preparation with detailed worked examples and practice questions for the mainstream modules of the new AS and A Level courses Core 3 and 4 for OCR Douglas Quadling, Hugh Neill, 2005-01-27 Fully endorsed by OCR for use with OCR Mathematics GCE specification Decision 1 for OCR Janet Crawshaw, Janet Dangerfield, 2005 Focused revision to improve learning for AS and A2 OCR

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This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Ocr Core 3 June 2012 Past Paper.

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