

Cambridge International Examinations

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MATHEMATICS

Paper 2 (Extended)

Mary/June 2014 1 hour 30 minutes

0580/22

Candidates answer on the Question Paper

Additional Materials:

Electronic calculator Tracing paper (optional) Geometrical instruments

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Answer all questions.

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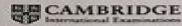
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The total of the marks for this paper is 70.

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sections cover one of the major topics in this course and each subtopic contains sample examination questions from past papers which can be set as homework
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through detailed topic coverage and explanation of key terms Develops computational thinking skills with practice exercises and problem solving tasks Ensures progression through GCSE with regular assessment questions that can be developed with supporting Dynamic Learning digital resources Instils a deeper understanding and awareness of computer science and its applications and implications in the wider world Gcse Computing (OCR) Susan Robson, 2014-09-01 This textbook provides comprehensive yet concise coverage of all the topics covered in Unit A451 Computer Systems and Programming of the OCR GCSE Computing Specification J275 written and presented in a way that is accessible to teenagers It will be invaluable both as a course text and as a revision guide for students nearing the end of their course It is divided into seven chapters corresponding to the seven sections of the specification each ending with a Glossary of terms and exam questions from past OCR GCSE papers OCR GCSE (9-1) Computer Science: Exam Question Practice Pack HODDER. EDUCATION, 2018-09-28 ClearRevise OCR GCSE Computer Science J277 Online Pg,2020-05 Absolute clarity is the aim with a new generation of revision guide for the 2020s This guide has been expertly compiled and edited by successful former teachers of Computer Science highly experienced examiners and a good dollop of scientific research into what makes revision most effective Past examinations questions are essential to good preparation improving understanding and confidence This guide has combined revision with tips and more practice questions than you could shake a stick at All the essential ingredients for getting a grade you can be really proud of Each specification topic has been referenced and distilled into the key points to make in an examination for top marks Questions on all topics assessing knowledge application and analysis are all specifically and carefully devised throughout this book **OCR GCSE Computer Science, Second Edition** George Rouse, Lorne Pearcey, Gavin Craddock, Ian Paget, 2020-08-03 Written by leading Computer Science teachers this brand new textbook will guide students through the updated OCR GCSE Computer Science specification topic by topic and provide them with standalone recap and review sections worked examples and clear explanations of complex topics This Student Book br develops computational thinking skills in line with the new Practical Programming element of Component 02br provides differentiated material with the beyond the spec featurebr includes standalone recap and review sections at the end of each chapterbr includes answers to the Knowledge Check questions to support independent learningbr provides definitions of technical terms along with a glossary of words that will be needed for assessment Looking for answers for the Student Book They can be found at the back of the print textbook You can now access a free set of practice questions on the Hodder Education website Please note these questions are not endorsed by OCR and have not been subject to any OCR quality assurance processes George Rouse Lorne Pearcey and Gavin Craddock are highly respected and widely published authors of resources OCR GCSE 9-1 Computer Science Workbook Collins GCSE, Paul Clowrey, 2022-07-07

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web notice that the mole fraction has no units on it and is written as a decimal value do not change it to percent note of caution you could see the term mole percent it is simply the mole fraction mltiplied by 100 for example in the problem just below the mole fraction of cinnamic acid is 0 2885 its mole percent would be 28 85

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web since the mole fraction of the o 2 is 0 050 it contributes 0 050 or if you will 5 0 of the total pressure thus total pressure is 0 21 0 050 4 2 atm problem 9 a sample of 1 43 g of helium and an unweighed quantity of o 2 are mixed in a flask at room temperature