



**Cambridge International Examinations**  
Cambridge International General Certificate of Secondary Education

CANDIDATE  
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**MATHEMATICS**

0580/22

Paper 2 (Extended)

May/June 2014

1 hour 30 minutes

Candidates answer on the Question Paper

Additional Materials:

Electronic calculator

Geometrical instruments

Tracing paper (optional)

**READ THESE INSTRUCTIONS FIRST**

Write your Centre number, candidate number and name on all the work you hand in.

Write in dark blue or black pen.

You may use an HB pencil for any diagrams or graphs.

Do not use staples, paper clips, glue or correction fluid.

DO NOT WRITE IN ANY BARCODES.

Answer **all** questions.

If working is needed for any question it must be shown below that question.

Electronic calculators should be used.

If the degree of accuracy is not specified in the question, and if the answer is not exact, give the answer to three significant figures. Give answers in degrees to one decimal place.

For  $\pi$ , use either your calculator value or 3.142.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [ ] at the end of each question or part question.

The total of the marks for this paper is 70.

The syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

This document consists of 12 printed pages.

# Ocr Gcse Ict Past Papers

**Christinea Donnelly**



## Ocr Gcse Ict Past Papers:

*GCSE Graphic Products for OCR* Geoff Hancock, Keith Bolling, 2001 This student book includes sections devoted to coursework a summary of key points from each section and questions and activities to develop the students skills

*Knowledge and Knowing in Media and Film Studies* Steve Connolly, 2025-05-20 For traditional subjects such as History Art and Science debate about the nature of knowledge in the school curriculum has produced a growing literature on the relationship between disciplinary knowledge and what is taught in schools For newer subjects however the path is less clear Knowledge and Knowing in Media and Film Studies is the first book to grapple with the question for these two related subjects Steve Connolly argues that while Media and Film Studies each have a clear epistemological base consideration of craft skills alongside factual knowledge and criticality has led to the development of different criteria for what constitutes valuable knowledge than in traditional school subjects The book problematises this difference through a genealogy of both subjects as they appear in the English school curriculum charting their historical and disciplinary origins within that system In so doing it finds that far from being new subjects Media and Film Studies have parallel histories with more established subjects Using a range of primary and secondary data including interviews with media and film teachers case studies and historical sources the book provides an account of knowledge and knowing in school Media Studies and Film Studies which both consolidates existing views and proposes some new perspectives Praise for Knowledge and Knowing in Media and Film Studies The status of Media and Film Education has been contested for a very long time In this book Steve Connolly drills down beneath the surface level of debates about academic rigour and what education is for He analyses how knowledge works in these subjects how it differs from other educational processes why this is important and how this matters for more recent endeavours in media literacy No future conversation about the value of these subjects in education should begin without attention to this rich contribution Julian McDougall Bournemouth University **The Times Index**, 2007 Indexes the Times and its supplements *Know it All, Find it Fast for Youth Librarians and Teachers* Christine Donnelly, 2012 A brand new version of the best selling enquiry desk reference text Know it All Find it Fast specifically designed for those working with children and young people in schools public libraries and at home Including an invaluable overview of the education system and the school curriculum as well as a comprehensive listing of useful resources by topic this A Z covers school subjects from science and maths to reading and literacy and more general themes such as children s health wellbeing and hobbies Each topic is broken down into useful sections that will help to guide your response Typical questions outline common queries such as Have you got any information about volcanoes Considerations provides useful hints and tips i e Geography now encompasses not only physical and human geography but also environmental geography social geography geology and geopolitics Where to look lists relevant printed digital and online resources with useful annotations explaining their scope and strengths Readership This is the must have quick reference tool arming librarians and teachers with the

knowledge to deal with any queries thrown at them from children and young people as well as their parents and caregivers It will also be a handy reference for parents and anyone working with children and young people in other organizations such as homework clubs and youth workers      How to Use Technology Effectively in Post-Compulsory Education Alan

Clarke,2011-06-16 Alan Clarke explains the technologies that are available and how to use them from whiteboards and virtual learning environments to digital photographs podcasts and e portfolios Each chapter is fully aligned with the new LLUK standards and includes teaching strategies practical examples and case studies to show how these work in practice

Learning to Teach English in the Secondary School Jon Davison,Jane Dowson,2003-12-16 This best selling textbook combines theory and practice to present a broad introduction to the opportunities and challenges of teaching English in secondary school classrooms Each chapter explains the background to current debates about teaching the subject and provides tasks teaching ideas and further reading to explore issues and ideas in relation to school experience Already a major text for many university teaching courses this new edition has been thoroughly updated in the light of new legislation and includes fresh chapters on the National Literacy Strategy Media and ICT Other chapters suggest a broad range of approaches to teaching such crucial areas as reading and writing speaking and listening drama media studies and information technology grammar poetry and language study Shakespeare post 16 English language and literature Written particularly with the new and student teacher in mind this book offers principles and practical examples of teaching and learning in a twenty first century context as new notions of literacy compete with demands of national assessment Taking these changing ideologies as a starting point the text also addresses questions about the nature of teacher education It raises issues concerning competence based courses working with a mentor in school and monitoring the development of a student teacher      OCR Gcse (9-1) Computer Science S Robson,P M Heathcote,2016-06-15 The aim of this book is to provide an

accessible text for students covering each of the elements in the OCR GCSE 9 1 Computer Science specification J276 It will be invaluable both as a course text and in revision for students nearing the end of the course It is divided into eight sections each broken down into manageable chapters of roughly one lesson Sections 5 and 6 of the textbook cover algorithms and programming concepts with a theoretical approach to provide students with experience of writing tracing and debugging pseudocode solutions without the aid of a computer These sections would complement practical programming experience Each of the eight 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      **OCR GCSE ICT** Steve Cushing,Brian Gillander,2011-10-01

Unlock your full potential with this revision guide which focuses on the key content and skills you need to know With My Revision Notes for OCR Information and Communication Technology GCSE you can Take control of your revision plan and focus on the areas you need to revise with content summaries and commentary from authors Steve Cushing and Brian Gillinder Show you fully understand key topics by using specific examples of ICT in today s world to add depth to your

knowledge of ICT issues and processes Apply ICT terms accurately with the help of definitions and key words on all topics Improve your skills to tackle specific exam questions on among other things manipulating data exchanging information and using ICT systems with the help of self testing and exam style questions and answers Get exam ready with last minute quick quizzes at [www.hodderplus.co.uk/myrevisionnotes](http://www.hodderplus.co.uk/myrevisionnotes) CONTENTS ICT in today's world ICT systems Exchanging information Presenting information Manipulating data Keeping data safe and secure Legal social ethical and environmental issues when using ICT Using ICT systems Monitoring measurement and control technology ICT and modern living ICT in context

**JACT Review**, 1999 *OCR GCSE Computer Science (9-1) J277* S. Robson, Pm Heathcote, 2020-03-31 The aim of this book is to provide a comprehensive and accessible text for students covering Papers 1 and 2 in the latest OCR GCSE J277 Computer Science specification. It will be invaluable as a course text for students throughout the course. It is divided into eight sections each broken down into manageable chapters of roughly one lesson. Sections 6 and 7 of the textbook cover algorithms and programming fundamentals with a theoretical approach to provide students with experience of writing tracing and debugging pseudocode solutions without the aid of a computer. These sections would complement practical programming experience. Each of the eight 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.

**OCR GCSE 9-1 Computer Science Workbook** Collins Collins GCSE, Paul Clowrey, 2020-09-17 Exam Board OCR Level GCSE 9-1 Subject Computer Science First Teaching September 2020 First Exams June 2022 Suitable for the 2022 exams. This Collins OCR Computer Science GCSE 9-1 Workbook contains topic based questions as well as a full practice paper and answers. With lots of realistic practice opportunities for a variety of different exam style questions. With a workbook and practice exam paper in one book it contains plenty of practice opportunities to ensure the best results. Includes selection of questions covering each topic topic by topic practice complete exam style paper.

**GCSE OCR Computer Science For the Grade 9-1 Course**, 2020 GCSE OCR Computer Science for the Grade 9-1 Course Shaun Whorton, **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.

GCSE ICT 2002 Ocr, Ocr Staff, 2002-10-01 This bank of past OCR GCSE questions means that you can use the questions exactly as they appeared at the time but you can also search by specification type of course key word exam date and level or target grade. Suitable questions are then selected.

**JACT Bulletin** Joint Association of Classical Teachers, 1999 **My Revision Notes: OCR GCSE (9-1) Computer Science, Third Edition** George Rouse, 2021-06-25 Target exam success with My Revision Notes. Our updated approach to revision will help students

learn practise and apply skills and understanding Coverage of key content is combined with practical study tips and effective revision strategies to create a guide students can rely on to build both knowledge and confidence My Revision Notes OCR GCSE Computer Science will help students br Strengthen subject knowledge and key terms by working through clear and focused key content *ClearRevise Exam Tutor OCR GCSE Computer Science J277* Online Pg,2021-04-05 Exam tutor and walk through Over 500 exam style revision questions with model answers Exam tips and coaching just like a tutor would offer Two complete practice exam papers Answers to all questions Specification references for every topic A perfect companion to our ClearRevise illustrated revision book Make exam revision as easy as 1 2 3 Study the questions with model answers on the left pages Have a go at fresh questions from the same topic on the right Breeze through two complete practice papers ClearRevise is all about making your revision easy At the end of the course doing practice papers is useful but an exam tutor can make a big difference This book helps provide support from both angles and will really help you to ace the exam The first section is your exam tutor It shows you example questions with model answers Just like a tutor it gives you exam tips and lets you know what the examiner is looking for Secondly you are then given similar questions from the same topic for you to have a go at applying your knowledge and tips With over 400 marks in this section and all the answers provided you ll easily revise the topics as you go Lastly there are two complete exam papers written in the same style as the live OCR papers to try They re exactly the same length and marks as the real exam providing a realistic experience and a great opportunity to show how much you ve progressed *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 *My Revision Notes OCR Computing for GCSE Computer Systems and Programming* Sean O'Byrne,George Rouse,2013-09-06 Unlock your full potential with this revision guide which focuses on the key content and skills you need to know With My Revision Notes for OCR Computing for GCSE which perfectly matches the theory units of the specification you can Take control of your revision plan and focus on the areas you need to revise with advice summaries and notes from authors Sean O Byrne and George Rouse Show you fully understand key topics by using specific case studies to add depth to your knowledge of computing issues and processes Apply computing terms accurately with the help of definitions and key words on all topics Improve your skills to tackle specific exam questions with the help of self testing and exam style questions and answers Get exam ready with last minute

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