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GCSE COMPUTER SCIENCE

Paper 1 Computational thinking and programming skills – VB.NET

Wednesday 15 May 2024

Afternoon

Time allowed: 2 hours

Materials

- There are no additional materials required for this paper.
- You must **not** use a calculator.



Instructions

- Use black ink or black ball-point pen. Use pencil only for drawing.
- Answer **all** questions.
- You must answer the questions in the spaces provided.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this book. Cross through any work you do not want to be marked.
- Questions that require a coded solution must be answered in VB.NET.
- You should assume that all indexing in code starts at 0 unless stated otherwise.

Information

The total number of marks available for this paper is 90.

For Examiner's Use	
Question	Mark
1	
2–3	
4–5	
6–7	
8–9	
10–11	
12	
13–14	
15	
TOTAL	

Advice

For the multiple-choice questions, completely fill in the lozenge alongside the appropriate answer.

CORRECT METHOD

WRONG METHODS

If you want to change your answer you must cross out your original answer as shown.

If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown.



Gcse Computing A45answers

Kevin R Bond



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GCSE Computer Science for OCR Student Book David Waller, 2016-04-21 A new series of bespoke full coverage resources developed for the 2016 AQA and OCR GCSE Computer Science qualifications Written for the OCR GCSE Computer Science specification for first teaching from 2016 this print Student Book uses an exciting and engaging approach to help students build their knowledge and master underlying computing principles and concepts Designed to develop computational thinking programming and problem solving skills this resource includes challenges that build on learning objectives and real life examples that demonstrate how computer science relates to everyday life Remember features act as revision references for students and key mathematical skills relevant to computer science are highlighted throughout A digital Cambridge Elevate enhanced Edition and a free digital Teacher's Resource are also available

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[GCSE Computer Science for AQA](#) Kevin R Bond, 2017-08-25 Student textbook covering AQA GCSE Computer Science 8520 specification in depth It includes programming examples in the programming languages Python VB NET Pascal Delphi C and Java The textbook is organised into chapters that map one to one to the specification Each chapter contains questions which test students understanding of the topic Some chapters also include programming tasks other tasks and discussion questions The textbook is accompanied by downloadable resources and the solutions to all the questions

AQA GCSE Computer Science My Revision Notes 2e Steve Cushing, 2017-03-27 Manage your own revision with step by step support from experienced teacher and examiner Steve Cushing Use specific case studies to improve your knowledge of Computer Science Apply terms accurately with the help of definitions and key words Plan and pace your revision with the revision planner Use the expert tips to clarify key points Avoid making typical mistakes with key expert advice Test yourself with end of topic questions and answers and tick off each topic as you complete it Get exam ready with last minute quick quizzes at www.hoddereducation.co.uk/myrevisionnotes

GCSE Computer Science for AQA Student Book David Waller, 2016-06-02 A new series of bespoke full coverage resources developed for the 2016 AQA and OCR GCSE Computer Science qualifications Written for the AQA GCSE Computer Science specification for first teaching from 2016 this print Student Book uses an exciting and engaging approach to help students build their knowledge and master underlying computing principles and concepts Designed to develop computational thinking programming and problem solving skills this resource includes challenges that build on learning objectives and real life examples that demonstrate how computer science relates to everyday life Remember features act as revision references for students and key mathematical skills relevant to computer science are highlighted throughout A digital Cambridge Elevate enhanced Edition and a free digital Teacher's Resource are also available

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Edexcel GCSE Computer Science Student Book Steve Cushing, 2014-10-31 Publishing in September 2014 Edexcel GCSE Computer Science has been written by Steve Cushing a well respected and widely published author for secondary Computing and a former examiner With Edexcel GCSE Computer Science Students will have the assurance that all topics in the course are covered comprehensively with particular support to help them understand the principles of computer science and computational thinking in preparation for the written exam Teachers and students can make use of strategies and advice throughout when choosing appropriate programming languages for both the written and practical units User friendly and accessible practical examples will help to unpick theoretical topics

GCSE Computer Science for OCR Student Book Updated Edition David Waller, 2020-07-31 Written for the OCR GCSE Computer Science updated

specification J277 for first teaching from 2020 This print student book has been updated and reordered and uses an exciting and engaging approach to help students build their knowledge and master underlying computing principles and concepts Designed to develop computational thinking programming and problem solving skills this resource includes challenges and real life examples that demonstrate how computer science relates to everyday life with practice questions Our new reflection feature will help students to reflect on their progress and see where they could improve Answers can be found in the teacher's resource

Work Out Computer Studies GCSE Graham Taylor,2016-01-13 Work Out Computer Studies GCSE focusses on the essential computer studies you need to get the grade you want The book gives you Advice on the course study and exam technique Knowledge full notes of what you need to know with model answers giving explanations on technique Practice more GCSE questions to build skills and understanding with answers Confidence from our Self Check pages you can see how you are doing and where the extra work is needed

My Revision Notes Edexcel GCSE Computer Science Steve Cushing,2015-03-27 Exam Board Edexcel Level GCSE Subject Computer Science First Teaching September 2016 First Exam Summer 2018 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 Edexcel GCSE Computer Science which perfectly matches the latest examined elements of the course you can Take control of your revision plan and focus on the areas you need to revise with advice summaries and notes from author Steve Cushing Show you fully understand key topics by using specific strategies and theories to add depth to your knowledge of programming and computing issues and processes Apply programming and computing terms accurately with the help of definitions and key words on all topics Improve your skills to tackle specific exam questions such as how to choose appropriate programming languages with the help of self testing and exam style questions and answers

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

Oxford International AQA Examinations: International GCSE Computer Science Alison Page,2017-11-16 The only textbook that fully supports the Oxford AQA International GCSE Computer Science specification 9210 for first teaching from September 2017 The practical step by step approach enables students to develop and apply problem solving and computational thinking skills in context This ensures they are exam ready and prepares them for further study or life in the working world Thoroughly prepare students for the theoretical and practical papers with extensive coding and programming support plus opportunities for practice Clear explanations ensure students have a thorough understanding of trickier topics such as number representation relational databases and SQL

GCSE Computer Science for AQA 8525 Kevin R Bond,2020-10-21 Student

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$$\sum M_D = 0 \quad 26.45 \left(8 \frac{4}{5} \right) + 10.28 a_y - 86.6 \text{ kN}$$

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