



**ZIMBABWE SCHOOL EXAMINATIONS COUNCIL**  
General Certificate of Education Ordinary Level

**MATHEMATICS**

**4004/2**

PAPER 2

NOVEMBER 2019 SESSION

2 hours 30 minutes

Candidates answer on the question paper

Additional materials:

Mathematical instruments

Mathematical tables

Electronic Calculator

Graph paper (if needed)

**Allow candidates 5 minutes to count pages before the examination.**

**This booklet should not be punched or stapled and pages should not be removed.**

**Time** 2 hours 30 minutes

**INSTRUCTIONS TO CANDIDATES**

Write your Name, Centre number and Candidate number in the spaces at the top of this page.

Write your Centre and Candidate number in the box on the top right corner of every page of this paper.

Check that all the pages are in the booklet and ask the invigilator for a replacement if there are duplicate or missing pages.

Answer **all** questions in Section A and **any four** questions from Section B.

Write your answers in the spaces provided on the question paper using **black** or **blue** pens.

If working is needed in any question, it must be shown in the space below that question.

Omission of essential working will result in loss of marks.

Decimal answers which are not exact should be given correct to three significant figures unless stated otherwise.

Decimal answers in degrees should be given correct to one decimal place.

**INFORMATION FOR CANDIDATES**

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

Mathematical tables and Electronic calculators may be used to evaluate explicit numerical expressions

# O Level Mathematics Past Examination Papers

**Alec Greer, Alex Greer**



## **O Level Mathematics Past Examination Papers:**

GCE O Level Examination Past Papers with Answer Guides: Maths India Edition Cambridge International Examinations, 2004-03-03 These collections of the official past papers of the GCE O Level Examinations from the University of Cambridge International Examinations has been developed for students of GCE O level These books will act as tools for preparation and revision for students These books have an edited Answer Guide for each paper based on the marks scheme written by CIE Principal

**New Comprehensive Mathematics for 'O' Level** Alec Greer, Alex Greer, 1983 Based on part of the material from the author's best selling book *A Complete O level Mathematics* this book provides the most effective examination revision guide for the modern O level GCSE

**Mathematics** Linda Bostock, Suzanne Chandler, 1981 Designed to meet the Common Core requirements of the University of London Syllabus B and other similar schemes offered by the major boards this book incorporates both modern and effective traditional approaches to mathematical understanding Worked examples and exercises support the text An ELBS LPBB edition is available

*Learning to Teach Mathematics in the Secondary School* Sue Johnston-Wilder, Peter Johnston-Wilder, David Pimm, 2005-01-14 *Learning to Teach Mathematics in the Secondary School* covers a wide range of issues in the teaching of mathematics and gives supporting activities to students to enable them to translate theory into practice Topics covered include mathematics in the National Curriculum different teaching approaches using ICT mathematics education for pupils with special needs in mathematics assessment and public examinations teaching mathematics post 16 professional development

**Examination papers, and division lists, &c. [afterw.] General certificate of education, ordinary level** Oxford univ, local exams, 1875

**Mechanics** Martin Adams, June Haighton, Jeff Trim, 1999-07 The mathematical modelling process is used to provide a clear and structured approach to the work The stages of Define Model Interpret and Analyse are shown as an icon where this approach is used Numerous examples are provided to support both the practice and theory of mechanics in a structured and supportive way

*Chinese Students in UK Further Education* Rosemary A. Reynolds, 2017-12-15 Chinese students in the UK have been increasing in number for many years yet competition from other Western educators and increasing investment in China's own education system has led to concern that UK institutions may soon see a decline in their market share Dr Reynolds addresses this issue in *Chinese Students in UK Further Education* by attempting to understand students' experiences from their perspective Beginning with an exploration of why these students choose to come and study in the UK and why they are coming at younger ages the book goes on to discuss topics such as risk technology and diversity in order to understand which factors have the greatest influence on where they choose to study and whether they choose to remain at an institution Drawing on data from two different education institutions providers of GCSE A level programmes for students aged 16-18 years Dr Reynolds attempts to understand what these students experience during their studies how they manage new social relationships and whether upon course completion they achieved the results they desired at the outset Moreover the book

aims to ascertain whether the students feel in hindsight that the decision to risk investing in UK further education was right and what they might communicate about UK study to contacts in China and elsewhere The book examines what further education institutions do well and where they might improve to help develop Chinese students educational experiences As such it will be essential reading for academics researchers and postgraduates in the fields of further education sociology of education international and intercultural education and mobility studies **Core Maths for Advanced Level** L. Bostock,S. Chandler,2000 Since the launch of the Human Genome project in 1990 understanding molecular and clinical genetics has become an essential aspect of modern medical education Solid knowledge of genetics is now crucial to a host of healthcare professionals including primary care physicians nurses and physician assistants This third edition takes this crucial information and incorporates it into a student friendly format that focuses on the core concept of human genetics Each chapter uses the same problem based approach as the previous editions and addresses the important role of genetics and disease by integrating molecular and clinical genetics **Examination papers** Royal university of Ireland,1900

*Singapore periodicals index* ,1984 **Special Reports on Educational Subjects** Great Britain. Board of Education,1912 **Special Reports on Educational Subjects** ,1912 Report of the Department of Education Ireland. Department of Education,1926 **The Journal of Education** ,1887 *Educational Times and Journal of the College of Preceptors* ,1889 *Singapore National Bibliography* ,1984 Educational Times ,1889 **Sessional Papers** Great Britain. Parliament. House of Commons,1904 *The Athenaeum* ,1912 Parliamentary Papers Great Britain. Parliament. House of Commons,1908

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2004 — No believer will be judged at that day as the final judgment is reserved for all who rejected the Lord Jesus Christ on earth. The Judgment Seat ... God's Purpose for Israel During the Tribulation by TD Ice · 2009 · Cited by 2 — One of the major Divine purposes for the tribulation in relation to Israel is the conversion of the Jewish remnant to faith in Jesus as their Messiah. This will ... Revelation 20:7-15 "The Final Judgement" by Pastor John ... Jun 13, 2021 — We believe in the Second Coming of Jesus Christ, that He is coming in power, in glory, in majesty and that He will reign on the earth for 1,000 ...