

Candidate Name

Centre Number

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ZIMBABWE SCHOOL EXAMINATIONS COUNCIL
General Certificate of Education Ordinary Level

MATHEMATICS
PAPER 1

4004/1

NOVEMBER 2022 SESSION 2 hours 30 minutes

Candidates answer on the question paper

*Additional materials:
Mathematical Instruments*

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.

Write your answers in the spaces provided on the question paper using black or blue pens.
If working is needed for 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 to three significant figures unless stated otherwise.

Mathematical tables, slide rules and calculators should not be brought into the examination room.

INFORMATION FOR CANDIDATES

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

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Maths November 2014 Paper 2014 Mark Scheme

Damian Murchan, Gerry Shiel



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Big Data, Crime and Social Control Aleš Završnik, 2017-09-20 From predictive policing to self surveillance to private security the potential uses of big data in crime control pose serious legal and ethical challenges relating to privacy discrimination and the presumption of innocence The book is about the impacts of the use of big data analytics on social and crime control and on fundamental liberties Drawing on research from Europe and the US this book identifies the various ways in which law and ethics intersect with the application of big data in social and crime control considers potential challenges to human rights and democracy and recommends regulatory solutions and best practice This book focuses on changes in knowledge production and the manifold sites of contemporary surveillance ranging from self surveillance to corporate and state surveillance It tackles the implications of big data and predictive algorithmic analytics for social justice social equality and social power concepts at the very core of crime and social control This book will be of interest to scholars and students of criminology sociology politics and socio legal studies

Understanding and Applying Assessment in Education Damian Murchan, Gerry Shiel, 2017-04-29 All teachers are responsible for assessing the children they teach and the outcomes of any assessment are important for individual learners and the wider school This book is your one stop shop for understanding assessment in schools It covers formative and summative approaches used across primary and secondary education supporting a balanced overview with policy examples drawn from the UK Ireland and wider international contexts Designed as a pragmatic handbook for new teachers and those training to teach the book discusses key principles of assessment before providing guidance on developing and carrying out assessment in the classroom and looking at how assessment information can be used to benefit your teaching and the children you teach

CTET Success Master Maths and Science Paper 2 for Class 6 to 8 for 2021 Exams Arihant Experts, 2021-05-26 1 Success Master Study Guides focus in the preparation of CTET teaching Exam 2

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