



# ZIMBABWE SCHOOL EXAMINATIONS COUNCIL

General Certificate of Education Advanced Level

## MATHEMATICS

PAPER 3 Mechanics and Statistics

9164/3

NOVEMBER 2015 SESSION

3 hours

Additional materials:

Answer paper

Graph paper

List of Formulae

Scientific calculator

**TIME** 3 hours

### INSTRUCTIONS TO CANDIDATES

Write your name, Centre number and candidate number in the spaces provided on the answer paper/answer booklet.

Answer **all** questions.

If a numerical answer cannot be given exactly, and the accuracy required is not specified in the question, then in the case of an angle it should be given to the nearest degree, and in other cases, it should be given correct to 2 significant figures.

If a numerical value for  $g$  is necessary, take  $g = 9.81 \text{ ms}^{-2}$ .

### INFORMATION FOR CANDIDATES

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

The total number of marks for this paper is 120.

Within each section of the paper, questions are printed in the order of their mark allocations and candidates are advised, within each section, to attempt questions sequentially.

The use of a scientific calculator is expected, where appropriate.

You are reminded of the need for clear presentation in your answers.

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**This question paper consists of 8 printed pages.**

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# 2014 Mathematics A Level 9164 1

**R Barnett**



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## **Table of Contents 2014 Mathematics A Level 9164 1**

1. Understanding the eBook 2014 Mathematics A Level 9164 1
  - The Rise of Digital Reading 2014 Mathematics A Level 9164 1
  - Advantages of eBooks Over Traditional Books
2. Identifying 2014 Mathematics A Level 9164 1
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an 2014 Mathematics A Level 9164 1
  - User-Friendly Interface
4. Exploring eBook Recommendations from 2014 Mathematics A Level 9164 1
  - Personalized Recommendations
  - 2014 Mathematics A Level 9164 1 User Reviews and Ratings
  - 2014 Mathematics A Level 9164 1 and Bestseller Lists
5. Accessing 2014 Mathematics A Level 9164 1 Free and Paid eBooks
  - 2014 Mathematics A Level 9164 1 Public Domain eBooks
  - 2014 Mathematics A Level 9164 1 eBook Subscription Services
  - 2014 Mathematics A Level 9164 1 Budget-Friendly Options
6. Navigating 2014 Mathematics A Level 9164 1 eBook Formats

- ePub, PDF, MOBI, and More
  - 2014 Mathematics A Level 9164 1 Compatibility with Devices
  - 2014 Mathematics A Level 9164 1 Enhanced eBook Features
7. Enhancing Your Reading Experience
    - Adjustable Fonts and Text Sizes of 2014 Mathematics A Level 9164 1
    - Highlighting and Note-Taking 2014 Mathematics A Level 9164 1
    - Interactive Elements 2014 Mathematics A Level 9164 1
  8. Staying Engaged with 2014 Mathematics A Level 9164 1
    - Joining Online Reading Communities
    - Participating in Virtual Book Clubs
    - Following Authors and Publishers 2014 Mathematics A Level 9164 1
  9. Balancing eBooks and Physical Books 2014 Mathematics A Level 9164 1
    - Benefits of a Digital Library
    - Creating a Diverse Reading Collection 2014 Mathematics A Level 9164 1
  10. Overcoming Reading Challenges
    - Dealing with Digital Eye Strain
    - Minimizing Distractions
    - Managing Screen Time
  11. Cultivating a Reading Routine 2014 Mathematics A Level 9164 1
    - Setting Reading Goals 2014 Mathematics A Level 9164 1
    - Carving Out Dedicated Reading Time
  12. Sourcing Reliable Information of 2014 Mathematics A Level 9164 1
    - Fact-Checking eBook Content of 2014 Mathematics A Level 9164 1
    - Distinguishing Credible Sources
  13. Promoting Lifelong Learning
    - Utilizing eBooks for Skill Development
    - Exploring Educational eBooks
  14. Embracing eBook Trends
    - Integration of Multimedia Elements
    - Interactive and Gamified eBooks

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