



PHYSICAL SCIENCES
PAPER 2 Preliminary Exam

GRADE 12

18 September 2023

200/200

KINGSWOOD COLLEGE

Examiner: G. Makoni

Moderator: D. Price

Time: 3 hours

Total: 200 marks

Name: MEMO

Grade 12: ALL

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper consists of:
 - a write-on question booklet with 27 pages, pages 26 and 27 have extra space that can be used if more writing pages are needed. Make sure your answers on these pages are correctly numbered.
 - Page 1 to 27 is a booklet, while insert of page i, ii and iii is a coloured data and formulae sheet.Make sure that your question paper is complete before starting.
2. Write your full name clearly in the space provided above on this page.
3. There are 9 questions.
4. Answer **all** the questions in the spaces provided.
5. Use the data and formulae sheet whenever necessary.
6. All numerical values must be to 2 decimal places (and scientific notation where appropriate) unless otherwise instructed.
7. Read the questions carefully.
8. Aluminium and chlorine are written as Al and Cl, respectively, in chemical equations.

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Prelim Memo Pmpumalanga 2014: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous engrossing novels captivating the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the captivating narratives that have captivated audiences this year. Prelim Memo Pmpumalanga 2014 : Colleen Hoover "It Ends with Us" This touching tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Prelim Memo Pmpumalanga 2014 : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Prelim Memo Pmpumalanga 2014 : Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and thrilling novel that will keep you wondering until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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Table of Contents Prelim Memo Pmpumalanga 2014

1. Understanding the eBook Prelim Memo Pmpumalanga 2014
 - The Rise of Digital Reading Prelim Memo Pmpumalanga 2014
 - Advantages of eBooks Over Traditional Books
2. Identifying Prelim Memo Pmpumalanga 2014
 - 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 Prelim Memo Pmpumalanga 2014
 - User-Friendly Interface
4. Exploring eBook Recommendations from Prelim Memo Pmpumalanga 2014
 - Personalized Recommendations
 - Prelim Memo Pmpumalanga 2014 User Reviews and Ratings
 - Prelim Memo Pmpumalanga 2014 and Bestseller Lists
5. Accessing Prelim Memo Pmpumalanga 2014 Free and Paid eBooks
 - Prelim Memo Pmpumalanga 2014 Public Domain eBooks
 - Prelim Memo Pmpumalanga 2014 eBook Subscription Services
 - Prelim Memo Pmpumalanga 2014 Budget-Friendly Options
6. Navigating Prelim Memo Pmpumalanga 2014 eBook Formats
 - ePub, PDF, MOBI, and More
 - Prelim Memo Pmpumalanga 2014 Compatibility with Devices
 - Prelim Memo Pmpumalanga 2014 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Prelim Memo Pmpumalanga 2014
 - Highlighting and Note-Taking Prelim Memo Pmpumalanga 2014
 - Interactive Elements Prelim Memo Pmpumalanga 2014
8. Staying Engaged with Prelim Memo Pmpumalanga 2014

- Joining Online Reading Communities
- Participating in Virtual Book Clubs
- Following Authors and Publishers Prelim Memo Pmpumalanga 2014
- 9. Balancing eBooks and Physical Books Prelim Memo Pmpumalanga 2014
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Prelim Memo Pmpumalanga 2014
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Prelim Memo Pmpumalanga 2014
 - Setting Reading Goals Prelim Memo Pmpumalanga 2014
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Prelim Memo Pmpumalanga 2014
 - Fact-Checking eBook Content of Prelim Memo Pmpumalanga 2014
 - 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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