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SENIOR CERTIFICATE EXAMINATIONS/
NATIONAL SENIOR CERTIFICATE EXAMINATIONS

PHYSICAL SCIENCES (P2)

MARKS: 100

TIME: 1 hour

This question paper consists of 10 pages and 14 data sheets.

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Page 1 of 10

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PHYSICAL SCIENCES (P2)



1. The diagram shows a circuit with a battery, a switch, and two parallel branches. The left branch contains a light bulb, and the right branch contains a motor. The circuit is labeled with 'A' and 'B' at various points.
2. The diagram shows a circuit with a battery, a switch, and two parallel branches. The left branch contains a light bulb, and the right branch contains a motor. The circuit is labeled with 'A' and 'B' at various points.
3. The diagram shows a circuit with a battery, a switch, and two parallel branches. The left branch contains a light bulb, and the right branch contains a motor. The circuit is labeled with 'A' and 'B' at various points.
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10. The diagram shows a circuit with a battery, a switch, and two parallel branches. The left branch contains a light bulb, and the right branch contains a motor. The circuit is labeled with 'A' and 'B' at various points.



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Cassidy Puckett



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Redefining Geek Cassidy Puckett, 2022-04-20 A surprising and deeply researched look at how everyone can develop tech fluency by focusing on five easily developed learning habits Picture a typical computer geek Likely white male and someone you d say has a natural instinct for technology Yet after six years teaching technology classes to first generation low income middle school students in Oakland California Cassidy Puckett has seen firsthand that being good with technology is not something people are born with it s something they learn In *Redefining Geek* she overturns the stereotypes around the digitally savvy and identifies the habits that can help everyone cultivate their inner geek Drawing on observations and interviews with a diverse group of students around the country Puckett zeroes in on five technology learning habits that enable tech savvy teens to learn new technologies a willingness to try and fail management of frustration and boredom use of models and the abilities to use design logic and identify efficiencies In *Redefining Geek* she shows how to measure and build these habits and she demonstrates how many teens historically marginalized in STEM are already using these habits and would benefit from recognition for their talent access to further learning opportunities and support in career pathways She argues that if we can develop recognize and reward these technological learning habits in all kids especially girls and historically marginalized racial and ethnic groups we can address many educational inequities and disparities in STEM Revealing how being good with technology is not about natural ability but habit and persistence *Redefining Geek* speaks to the ongoing conversation on equity in technology education and argues for a more inclusive technology learning experience for all students

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Table of Contents Physics Paper2 Memo Grade12013

1. Understanding the eBook Physics Paper2 Memo Grade12013
 - The Rise of Digital Reading Physics Paper2 Memo Grade12013
 - Advantages of eBooks Over Traditional Books
2. Identifying Physics Paper2 Memo Grade12013
 - 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 Physics Paper2 Memo Grade12013
 - User-Friendly Interface
4. Exploring eBook Recommendations from Physics Paper2 Memo Grade12013
 - Personalized Recommendations
 - Physics Paper2 Memo Grade12013 User Reviews and Ratings
 - Physics Paper2 Memo Grade12013 and Bestseller Lists
5. Accessing Physics Paper2 Memo Grade12013 Free and Paid eBooks

- Physics Paper2 Memo Grade12013 Public Domain eBooks
 - Physics Paper2 Memo Grade12013 eBook Subscription Services
 - Physics Paper2 Memo Grade12013 Budget-Friendly Options
6. Navigating Physics Paper2 Memo Grade12013 eBook Formats
- ePub, PDF, MOBI, and More
 - Physics Paper2 Memo Grade12013 Compatibility with Devices
 - Physics Paper2 Memo Grade12013 Enhanced eBook Features
7. Enhancing Your Reading Experience
- Adjustable Fonts and Text Sizes of Physics Paper2 Memo Grade12013
 - Highlighting and Note-Taking Physics Paper2 Memo Grade12013
 - Interactive Elements Physics Paper2 Memo Grade12013
8. Staying Engaged with Physics Paper2 Memo Grade12013
- Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Physics Paper2 Memo Grade12013
9. Balancing eBooks and Physical Books Physics Paper2 Memo Grade12013
- Benefits of a Digital Library
 - Creating a Diverse Reading Collection Physics Paper2 Memo Grade12013
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Physics Paper2 Memo Grade12013
- Setting Reading Goals Physics Paper2 Memo Grade12013
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Physics Paper2 Memo Grade12013
- Fact-Checking eBook Content of Physics Paper2 Memo Grade12013
 - 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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