



basic education

Department  
Basic Education  
REPUBLIC OF SOUTH AFRICA

NATIONAL  
SENIOR CERTIFICATE

GRADE 11

PHYSICAL SCIENCES: PHYSICS (P1)

NOVEMBER 2018

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TIME: 2 hours

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**FULL MEMORANDUM**  
**GRADE 11 PHYSICS**  
**FINAL EXAM**

Physics (P1)

Grade 11

November 2018

**QUESTION 1: MULTIPLE-CHOICE QUESTIONS**

Various options are provided as possible answers to the following questions. Indicate the correct option by writing (A), (B), (C) or (D) in the answer space, e.g. 1.1 (A).

1.1. The unit of force is

- (A)  $\text{kg m s}^{-2}$   
(B)  $\text{kg m s}^{-1}$   
(C)  $\text{kg m s}^{-2}$   
(D)  $\text{kg m s}^{-1}$

1.2. The unit of acceleration is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.3. The unit of velocity is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.4. The unit of displacement is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.5. The unit of time is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.6. The unit of mass is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.7. The unit of energy is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.8. The unit of power is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.9. The unit of pressure is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.10. The unit of density is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.11. The unit of area is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.12. The unit of volume is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.13. The unit of frequency is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.14. The unit of angular velocity is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.15. The unit of angular acceleration is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.16. The unit of angular displacement is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.17. The unit of angular velocity is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

1.18. The unit of angular acceleration is

- (A)  $\text{m s}^{-2}$   
(B)  $\text{m s}^{-1}$   
(C)  $\text{m s}^{-2}$   
(D)  $\text{m s}^{-1}$

# Physical Science Exemplar P1 2013 Memorandum Grade 11

**D Kirk**



**Physical Science Exemplar P1 2013 Memorandum Grade 11:**

Physical Science Exemplar P1 2013 Memorandum Grade 11: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels captivating the hearts of readers worldwide. Let's delve into the realm of popular books, exploring the fascinating narratives that have captivated audiences this year.

**The Must-Read :**

**Colleen Hoover's "It Ends with Us"** This poignant tale of love, loss, and resilience has gripped 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 triumph.

**Uncover the Best : Taylor Jenkins Reid's "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. Reid's compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery.

Physical Science Exemplar P1 2013 Memorandum Grade 11 : Delia Owens "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These bestselling 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 captivating 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 an exceptional and thrilling novel that will keep you guessing until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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