

**DATA FOR PHYSICAL SCIENCES GRADE 12
PAPER 1 (PHYSICS)**

**GEGEWENS VIR FISIIESE WETENSKAPPE GRAAD 12
VRAESTEL 1 (FISIKA)**

TABLE 1: PHYSICAL CONSTANTS/TABEL 1: FISIIESE KONSTANTES

NAME/NAAM	SYMBOL/SIMBOOL	VALUE/WAARDE
Acceleration due to gravity Swaartekragversnelling	g	$9,8 \text{ m}\cdot\text{s}^{-2}$
Universal gravitational constant Universele gravitasiekonstante	G	$6,67 \times 10^{-11} \text{ N}\cdot\text{m}^2\cdot\text{kg}^{-2}$
Radius of the Earth Radius van die Aarde	R_E	$6,38 \times 10^6 \text{ m}$
Mass of the Earth Masse van die Aarde	M_E	$5,98 \times 10^{24} \text{ kg}$
Speed of light in a vacuum Speed van lig in 'n vakuum	c	$3,0 \times 10^8 \text{ m}\cdot\text{s}^{-1}$
Planck's constant Planck se konstante	h	$6,63 \times 10^{-34} \text{ J}\cdot\text{s}$
Coulomb's constant Coulomb se konstante	k	$9,0 \times 10^9 \text{ N}\cdot\text{m}^2\cdot\text{C}^{-2}$
Charge on electron Lading op elektron	e	$-1,6 \times 10^{-19} \text{ C}$
Electron mass Elektronmassa	m_e	$9,11 \times 10^{-31} \text{ kg}$

Grade 12 Physical Sciences Exemplar Paper 2014

Marco Cascella



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Adopting the Tune of Term: An Mental Symphony within **Grade 12 Physical Sciences Exemplar Paper 2014**

In a world eaten by monitors and the ceaseless chatter of instant connection, the melodic splendor and mental symphony developed by the written term usually fade into the background, eclipsed by the constant noise and disruptions that permeate our lives. However, nestled within the pages of **Grade 12 Physical Sciences Exemplar Paper 2014** a charming literary treasure filled with fresh emotions, lies an immersive symphony waiting to be embraced. Constructed by a masterful musician of language, that captivating masterpiece conducts visitors on a psychological journey, well unraveling the hidden tunes and profound impact resonating within each carefully constructed phrase. Within the depths with this emotional examination, we shall examine the book is main harmonies, analyze its enthralling writing fashion, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

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