

KZN DEPARTMENT OF EDUCATION
EXAMINATION SCOPE FOR GRADES 10 AND 11
PHYSICAL SCIENCES - NOVEMBER 2023

GRADE 10

PAPER 1 (2 Hours)		PAPER 2 (2 Hours)	
CONTENT	MARKS	CONTENT	MARKS
<u>WAVES, SOUND AND LIGHT:</u> - Transverse pulses on a string/spring - Transverse waves and Longitudinal waves - Sound Waves - o Frequency and pitch - o Amplitude and loudness - o Ultrasound - Electromagnetic Radiation	30	<u>MATTER AND MATERIALS:</u> - Matter and classification - States of matter and the kinetic molecular theory - The atom - Periodic Table - Chemical Bonding	50
<u>ELECTRICITY & MAGNETISM:</u> - Electrostatics - Electric circuits	30	<u>CHEMICAL CHANGE:</u> - Physical and chemical change - Representing chemical change - Quantitative Aspects of chemical Change - o Concept of the mole (n), and molar mass (M). - o Calculating number of moles, mass and molar mass from $n = \frac{m}{M}$ - o Calculating number of moles and volume of a gas at STP from $n = \frac{V}{22,4 \text{ dm}^3}$ - o Concentration - o Percentage composition - o Empirical Formulae - o Water of crystallisation - o Stoichiometry - o Theoretical yield and percentage yield	50
<u>MECHANICS:</u> - Vectors and Scalars - Motion in one dimension - Instantaneous speed and velocity and the equations of motion - Graphs of motion - Energy	40		
TOTAL MARKS	100		100

Scope For Gradelife Orintation Final Exams

Rachel Sandford



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The Top Books of the Year Scope For Gradelife Orintation Final Exams The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the engaging narratives that have enthralled audiences this year. The Must-Read : Colleen Hoovers "It Ends with Us" This touching tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. Scope For Gradelife Orintation Final Exams : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : 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, captivating readers with its evocative prose and mesmerizing setting. These popular 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 a exceptional and suspenseful novel that will keep you wondering until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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