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Practice Paper

2013-2014

STD:- XI

Sub:- Physics

Time:- 3 Hours

Marks:- 70

GENERAL INSTRUCTIONS:

- 1) All questions are compulsory.
- 2) There are 26 questions in total. Questions 1 to 5 questions short answer questions and carry 1 mark each. Questions 6 to 10 are short answer questions and carry two marks each. Questions 11 to 22 carry three marks each, question 23 carries 4 marks and questions 24 to 26 are long answer questions and carry five marks each.
- 3) There is no overall choice. However, an internal choice has been provided in one question of two marks, one question of three marks and all three questions of five marks each. You have to attempt only one of the given choices in such questions.
- 4) Use of calculators is not permitted. Log tables will be provided, if needed.
- 5) 15 minutes time has been allotted to read this question paper. During this time, the students will read the question paper only, she / he will not write any answer on the answer script during this period.

1)	The density of oxygen is 16 times the density of hydrogen. What is the relation between the speeds of sound in two cases?	(1M)
2)	If the momentum of a body is doubled, find % age increase in its kinetic energy ?	(1M)
3)	If a vector $2\vec{i} + 3\vec{j} + 9\vec{k}$ is perpendicular to the vector $4\vec{j} + 4\vec{i} + a\vec{k}$, find value of " a" ?	(1M)
4)	Three stars p, Q, R appear as green, red and blue respectively. Which star has minimum temperature?	(1M)
5)	If the polar ice caps melt and spread uniformly, how will the length of the day be affected?	(1M)
6)	Find the resultant of the following forces acting at a point $200\sqrt{2}$ N along NE, $500\sqrt{2}$ N along NW and 800 N along south.	(2M)
7)	Derive an equation for the distance covered by a uniformly accelerated body in nth second of its motion.	(2M)
8)	State the any four important postulates of the kinetic theory of gases.	(2M)

Grade 11 June Physics Paper 1

Michael Rajnik

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the name bar.

Grade 11 June Physics Paper 1:

This book delves into Grade 11 June Physics Paper 1. Grade 11 June Physics Paper 1 is a vital topic that must be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Grade 11 June Physics Paper 1, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Grade 11 June Physics Paper 1
 - Chapter 2: Essential Elements of Grade 11 June Physics Paper 1
 - Chapter 3: Grade 11 June Physics Paper 1 in Everyday Life
 - Chapter 4: Grade 11 June Physics Paper 1 in Specific Contexts
 - Chapter 5: Conclusion
 2. In chapter 1, this book will provide an overview of Grade 11 June Physics Paper 1. The first chapter will explore what Grade 11 June Physics Paper 1 is, why Grade 11 June Physics Paper 1 is vital, and how to effectively learn about Grade 11 June Physics Paper 1.
 3. In chapter 2, the author will delve into the foundational concepts of Grade 11 June Physics Paper 1. This chapter will elucidate the essential principles that must be understood to grasp Grade 11 June Physics Paper 1 in its entirety.
 4. In chapter 3, the author will examine the practical applications of Grade 11 June Physics Paper 1 in daily life. This chapter will showcase real-world examples of how Grade 11 June Physics Paper 1 can be effectively utilized in everyday scenarios.
 5. In chapter 4, this book will scrutinize the relevance of Grade 11 June Physics Paper 1 in specific contexts. This chapter will explore how Grade 11 June Physics Paper 1 is applied in specialized fields, such as education, business, and technology.
 6. In chapter 5, the author will draw a conclusion about Grade 11 June Physics Paper 1. The final chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Grade 11 June Physics Paper 1.

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