



PHYSICS SSC-I 2009

Time allowed: 2:40 Hours

Total Marks Sections B and C: 53

NOTE:- Sections 'B' and 'C' comprise pages 1-2 and questions therein are to be answered on the separately provided answer book. Answer any eleven parts from Section 'B' and attempt any two questions from Section 'C'. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION - B (Marks 33)

Q. 2 Attempt any ELEVEN parts. The answer to each part should not exceed 3 to 4 lines. (11 x 3 = 33)

(i) Write any three methods to reduce friction.

(ii) Explain the graph:

- Line OM
- Point A
- Point B



(iii) A player throws a cricket ball with a velocity of 40 m s^{-1} at an angle of 60° with the ground. Find the horizontal and vertical components of the velocity of the ball.

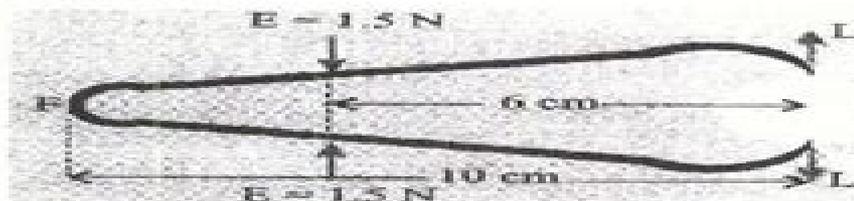
(iv) Why is the outer bank of the road kept slightly higher than the inner bank?

(v) Is there any difference between the values of ' g ' at the equator and at the poles? Explain.

(vi) An electric motor lifts a weight of 2 N upto a height of 5 m in 4 seconds. Find the power of the motor.

(vii) What are "Geostationary Satellites"?

(viii) According to the given figure, a piece of ice has been lifted by applying an effort of 1.5 N . If the length of the tongs is 10 cm , then find out the weight of the piece of ice?



Physics Past Papers O Level

J Ma



Physics Past Papers O Level:

The book delves into Physics Past Papers O Level. Physics Past Papers O Level is a crucial topic that must be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Physics Past Papers O Level, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:

- Chapter 1: Introduction to Physics Past Papers O Level
- Chapter 2: Essential Elements of Physics Past Papers O Level
- Chapter 3: Physics Past Papers O Level in Everyday Life
- Chapter 4: Physics Past Papers O Level in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Physics Past Papers O Level. The first chapter will explore what Physics Past Papers O Level is, why Physics Past Papers O Level is vital, and how to effectively learn about Physics Past Papers O Level.

3. In chapter 2, the author will delve into the foundational concepts of Physics Past Papers O Level. The second chapter will elucidate the essential principles that must be understood to grasp Physics Past Papers O Level in its entirety.

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6. In chapter 5, this book will draw a conclusion about Physics Past Papers O Level. This chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Physics Past Papers O Level.

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