



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



- 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.
- Why is the outer bank of the road kept slightly higher than the inner bank?
- Is there any difference between the values of ' g ' at the equator and at the poles? Explain.
- An electric motor lifts a weight of 2 N upto a height of 5 m in 4 seconds. Find the power of the motor.
- What are "Geostationary Satellites"?
- 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?



Cambridge Physics Past Papers

Ensheng Dong



Cambridge Physics Past Papers:

GCE O Level Examination Past Papers with Answer Guides: Physics India Edition Cambridge International Examinations,2004-03-03 These collections of the official past papers of the GCE O Level Examinations from the University of Cambridge International Examinations has been developed for students of GCE O level These books will act as tools for preparation and revision for students These books have an edited Answer Guide for each paper based on the marks scheme written by CIE Principal

GCE O Level Examination Past Papers with Answer Guides: Biology India Edition Cambridge International Examinations,2003-12-16 Environmental Science Class XII **Social Physics and a Theory of Everything** Tim Delaney,2025-05-10 Social physics is a field that combines the academic disciplines of physics and sociology Attempting a theory of everything from the social physics perspective provides us with the advantage of utilizing the knowledge already gained from the field of physics on certain matters such as the properties of the forces of nature while the field of sociology provides us with great insights into the role and actions of human behavior This book uses social physics to address major questions of human life These questions include what is the fate of humanity and specifically what role will artificial intelligence AI play Is there an afterlife and if yes what are the possible scenarios of an afterlife What is the fate of the planet Earth and what is the fate of our universe

The Reference Catalogue of Current Literature ,1913
Mathematical Recreations and Problems of Past and Present Times Walter William Rouse Ball,1892 *Reference Catalogue of Current Literature* ,1913 The English Catalogue of Books ,1926 **Nature** Sir Norman Lockyer,1907
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Bibliographical Contributions William Coolidge Lane,1886 Calendar of the Sparks Manuscripts in Harvard College Library Justin Winsor,1886 Bibliographical Contributions Harvard University. Library,1888 The Electrical Engineer ,1908 The Spectator ,1888 **Current Literature** ,1930 **Publishers' circular and booksellers' record** ,1893
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