

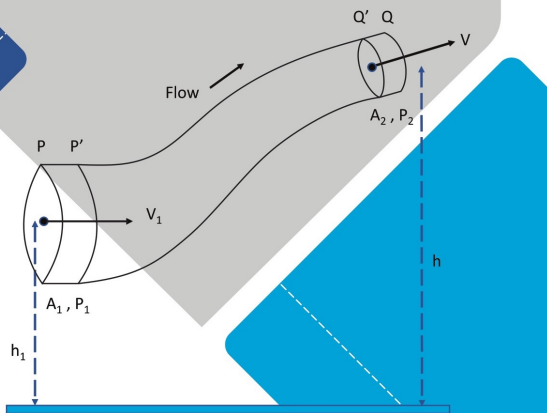
AICTE PRESCRIBED TEXTBOOK AS PER MODEL CURRICULUM

Aligned with Outcome Based Education

National Education Policy 2020

APPLIED PHYSICS-I

(with Lab Manual)



Mina Talati
Vinod Kumar Yadav

Applied Physics I (with Lab Manual)

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ISBN 13 :	978-93-91505-43-1
ISBN 10 :	93-91505-43-0
E-ISBN 13 :	978-93-91505-43-1
Edition :	First
Pages :	200
Type of book :	Paperback
Weight (g) :	280.00
Year :	2024
Language :	English
Publisher :	Khanna Publishing House
Categories :	AICTE Prescribed Textbooks , APPLIED SCIENCES & HUMANITIES , Ebooks , English Books
Condition Type :	New
Country Origin :	India

Product Description

“Applied Physic-I” is a compulsory paper for the first year Diploma course in Engineering & Technology. Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concepts of outcome-based education. Book covers six topics- Physical World, Units and Measurements; Force and Motion; Work, Power and Energy; Rotational Motion; Properties of Matter; Heat and Thermometry. Each topic is written in easy and lucid manner. Every chapter contains a set of exercise at the end of each unit to test the student’s comprehension. Some salient features of the book: 1. Content of the book is aligned with the mapping of Course Outcome, Programs Outcomes and Unit Outcomes. 2. Book provides lots of interesting facts, QR Code for E-resources, QR Code for use of ICT etc. 3. Students and teacher centric subject materials are included in book with balanced and chronological manner. 4. Figures and tables are inserted to improve clarity of the topics. 5. Short questions, objective questions and long answer exercises of different difficulty levels are given for practice after every chapter. 6. Solved numerical examples are provided with systematic steps in each chapter followed by numerical exercises with hints.

Table of Contents

Unit 1: Physical World, Units and Measurements. **Unit 2:** Force and Motion. **Unit 3:** Work, Power and energy. **Unit 4:** Rotational Motion. **Unit 5:** Properties of Matter. **Unit 6:** heat and Thermometer. **Annexes Appendices Index**

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