

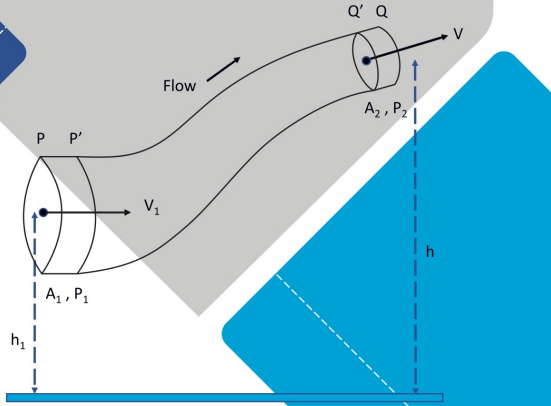
AICTE अनुशंसित पाठ्यपुस्तक - मॉडल पाठ्यक्रम के अनुसार

परिणाम आधारित शिक्षा के साथ संरेखित

राष्ट्रीय शिक्षा नीति 2020

# अनुप्रयुक्त भौतिक शास्त्र-I

(लैब मैनुअल सहित)



मीना तलाटी  
विनोद कुमार यादव

## Applied Physics-I (with Lab Manual)

|                         |  |
|-------------------------|--|
| <b>Author :</b>         | Mina Talati  |
| <b>ISBN 13 :</b>        | 978-93-55381-83-5  |
| <b>ISBN 10 :</b>        | 93-55381-83-2  |
| <b>E-ISBN 13 :</b>      | 978-93-55381-83-5  |
| <b>Edition :</b>        | First  |
| <b>Pages :</b>          | 232  |
| <b>Type of book :</b>   | Paperback  |
| <b>Weight (g) :</b>     | 280.00   |
| <b>Year :</b>           | 2023   |
| <b>Language :</b>       | Hindi  |
| <b>Publisher :</b>      | Khanna Publishing House  |
| <b>M.R.P :</b>          | Rs 289.00  |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks,</a><br><a href="#">Hindi Books</a> |
| <b>Condition Type :</b> | New  |
| <b>Country Origin :</b> | India  |

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“Applied Physic-I” is a compulsory paper for the first year Diploma course in Engineering & Technology. Syllabus of this books 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 interested 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.

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## Table of Contents

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**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 Thermometry. **Annexes Appendices Index**

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## Authors

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**V. K. Yadav Mina Talati**

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**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: [contact@khannabooks.com](mailto:contact@khannabooks.com) | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320