

AICTE अनुशंसित पाठ्यपुस्तक - मॉडल पाठ्यक्रम के अनुसार

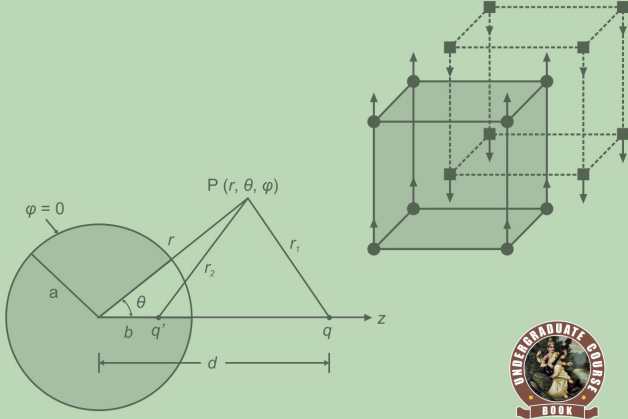
परिणाम आधारित शिक्षा के साथ संरेखित

राष्ट्रीय शिक्षा नीति 2020

भौतिक शास्त्र

वैद्युतचुम्बकीय सिद्धान्त परिचय

लैब मैनुअल सहित



ए. बी. भट्टाचार्य अतनु नाग

Physics (Introduction to Electromagnetic Theory) (with Lab Manual) (Hindi)

Author : A. B. Bhattacharya

ISBN 13 : 978-93-55381-30-9

ISBN 10 : 93-55381-30-1

E-ISBN 13 : 978-93-55381-30-9

Edition : First

Pages : 320

Type of book : Paperback

Weight (g) : 440.00

Year : 2023

Language : Hindi

Publisher : Khanna Publishing House

Price : Rs 307.00

Categories : [AICTE Prescribed Textbooks](#), [All book](#), [Hindi Books](#)

Condition Type : New

Country Origin : India



Khanna Publishing House

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

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

Product Description

Engineering Physics: Introduction to Electromagnetic Theory has been written for the first year students of B. Tech Engineering Degree Courses of all Indian Universities following the guideline and syllabus as recommended by AICTE. The book, written in a very simple and lucid way, will be very much helpful to reinforce understanding of different aspects to meet the engineering student's needs. Writing a text-cum manual of this category poses several challenges providing enough content without sacrificing the essentials, highlighting the key features, presenting in a novel format and building informative assessment. This book on engineering physics will prepare students to apply the knowledge of Electromagnetic Theory to tackle 21st century and onward engineering challenges and address the related questions.

Some Salient Features of the Book:

- Expose basic science to the engineering students to the fundamentals of physics and to enable them to get an insight of the subject.
- To develop knowledge on critical questions, solved and supplementary problems covering all types of medium and advanced level problems in a very logical and systematic manner.
- Some essential information for the users under the heading "know More" for clarifying some basic
- Information as well as comprehensive



Table of Contents

Foreword
Acknowledgement
Preface
Outcome Based Education
Course Outcomes
Abbreviations and Symbols
List of Figures
Guidelines for Teacher
Guidelines for Students
Unit 1: Electrostatics in Vacuum
Unit 2: Electrostatics in Linear Dielectric Medium
Unit 3: Magnetostatics
Unit 4: Magnetostatics in Linear Dielectric Medium
Unit 5: Faraday's Law
Unit 6: Maxwell's Equations
Unit 7: Electromagnetic Waves
Table of Physical Constants
Appendices
Annexures
References for Further learning
CO and PO attainment Table
Index



Author

A. B. Bhattacharya Prof. A. B. Bhattacharya, Pro-Vice-Chancellor of JIS University, did his M. Sc. and Ph. D. degree in Physics from the University of Calcutta. He did his Post-doc from the Massachusetts Institute of Technology, USA and subsequently joined in the Department of Physics, Kalyani University. He has published 256 Research papers in high-impact Journals and over 150 proceeding papers in conferences. He has successfully guided 24 scholars for their Ph.D. and has written a large number of invited articles in many Journals. He is the author of 29 textbooks written for engineering and science students and also for general readers from many reputed publishers like Infinity Science Press, Taylor & Francis, etc. International Institute of Success Awareness honored him with their most coveted Institutional and globally reputed “Glory of India Gold Medal” for remarkable contributions to India’s national prestige. He is a Life Fellow of the Institution of Electronics and Telecommunication Engineers.

A. Nag Dr. Atanu Nag did his M. Sc. in 2007 and Ph. D. in 2013 from the University of Kalyani. He has published over 50 Journal papers and 5 books for Science & Engineering students. Presently he is the Head and Associate Professor in the Department of Physics, Modern Institute of Engineering & Technology, Hooghly, West Bengal.

