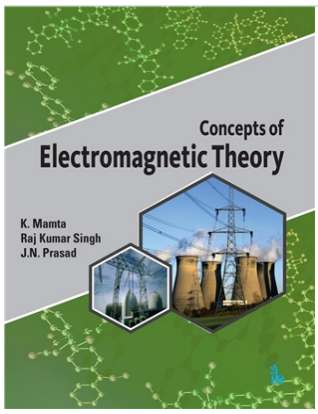
Book Information Sheet



Concepts of Electromagnetic Theory

K. Mamta, J.N. Prasad & Raj Kumar Singh

2021	18 x 24	392 pp	Paperback	ISBN: 9788194867630	Price: 425.00

BOOK REVIEW

Well written book and would prove very useful for the students studying B. Sc.

Prof. Nand Kumar Rana, Assistant Professor
Ranchi University
Jharkhand

About the Book

Concepts of Electromagnetic Theory is a useful resource on the electromagnetic theory for undergraduate students of science and various technical streams. The book covers a wide range of topics, viz., electrical field and potential, electrostatic boundary value problem, electrostatic field in dielectric medium, magnetostatics, magnetic fields in matter, Maxwell's equations, electromagnetic waves, polarization of electromagnetic waves and optical fibre. Understanding of electromagnetic theory is also required in the electromagnetic braking, coffee ring effect, Faraday's cage and communication systems.

Difficult mathematical steps have been simplified by including all the steps of calculation, using easy and comprehensible formulae and equations. Figures and illustrations are included to make the understanding of concepts, notations and representation easy and simple.

Salient Features

Dedicated mathematical preview for better understanding
Complete coverage of syllabus of AICTE and UGC-CBCS pattern
Balanced approach to both theory and application
Chapter-end summary, descriptive and multiple-choice questions
Large number of solved and unsolved problems.

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About the Author

K. Mamta :- is Associate Professor, Department of Applied Physics, CIT, Ranchi. She holds her PhD from Ranchi University and is a recipient of post-doctoral fellowship at Italy, funded by the European Commission, has over 15 years of teaching experience and has contributed several papers to various national and international journals. Her chief research interest lies in the field of radiating structures using numerical methods, computation and virtual lab simulations.

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