

# Unveiling the Secrets of Magnetism and EMI AC: JEE Main Advanced Study Package for Physics

## A Comprehensive Guide to Understanding Magnetism, EMI, and AC for JEE Main and Advanced

Are you preparing for the highly competitive JEE Main and Advanced examinations? If you are aiming for success in the field of engineering, it is crucial to master the concepts of Magnetism, Electromagnetic Induction (EMI), and Alternating Current (AC).

In this article, we will introduce you to a study package specifically designed to help you conquer Magnetism, EMI, and AC for your JEE Main and Advanced examinations. So, get ready to unleash your potential and boost your chances of cracking these exams!

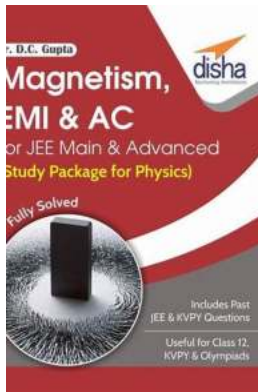
### Magnetism: The Force Behind the Wonders of Physics

Magnetism is a fascinating subject that forms the foundation of several natural phenomena and applications. Understanding the principles of magnetism is crucial for understanding various topics such as electromagnetism, magnetic fields, and electromagnetic waves.

#### **Magnetism, EMI & AC for JEE Main & Advanced (Study Package for Physics)**

by Er. D. C. Gupta (1st Edition, Kindle Edition)

★★★★☆ 4.3 out of 5



With the Magnetism Study Package included in the JEE Main Advanced Study Package for Physics, you can delve deep into the world of magnets, magnetic fields, and their interactions. Through engaging content, interactive exercises, and comprehensive practice questions, this study package will equip you with the knowledge and skills necessary to tackle any Magnetism-related question in your JEE Main and Advanced examinations.

### **EMI: Unlocking the Power of Electromagnetic Induction**

Electromagnetic Induction (EMI) is a phenomenon that allows the generation of electric current through the relative motion of a conductor and a magnetic field. EMI plays a pivotal role in various devices and technologies, including generators, transformers, and electric motors.

The EMI Study Package included in the JEE Main Advanced Study Package for Physics will introduce you to the principles of EMI and its applications. You will learn about Faraday's and Lenz's laws, induction, self-inductance, mutual inductance, and more. By practicing the included EMI exercises and questions, you will develop strong conceptual clarity and problem-solving skills.

### **AC: Discovering the Wonders of Alternating Current**

Alternating Current (AC) is the flow of electric charge that periodically reverses its direction. AC is commonly used in power transmission and in countless electronic devices. To excel in your JEE Main and Advanced examinations, it is crucial to develop a strong understanding of AC concepts and their applications.

The AC Study Package included in the JEE Main Advanced Study Package for Physics will guide you through the concepts of AC circuits, impedance, resonance, power factor, and more. By practicing the included AC exercises and questions, you will gain the required skills to analyze and solve AC-related problems effectively.

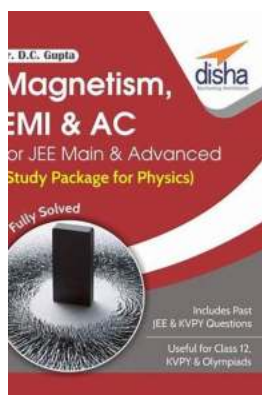
### **Why Choose the JEE Main Advanced Study Package for Physics?**

The JEE Main Advanced Study Package for Physics is curated by experienced professionals and subject matter experts who understand the examination patterns and requirements. With its comprehensive content, interactive exercises, and practice questions, this study package provides a holistic approach to preparing for the Magnetism, EMI, and AC sections of the JEE Main and Advanced examinations.

By studying with this package, you can:

- Gain a thorough understanding of Magnetism, EMI, and AC concepts
- Develop strong problem-solving skills through practice questions
- Revise and reinforce your knowledge through engaging content
- Track your progress and identify areas for improvement
- Boost your confidence to ace the JEE Main and Advanced examinations

Mastering Magnetism, EMI, and AC is essential for JEE Main and Advanced success in the field of engineering. With the JEE Main Advanced Study Package for Physics, you can unlock the secrets of Magnetism, EMI, and AC, and build a strong foundation for your future endeavors. So, grab this study package, prepare diligently, and be one step closer to your dream engineering career!



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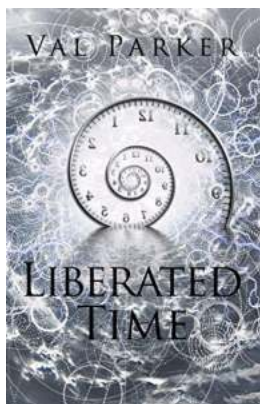


Disha's Physics series by North India's popular faculty for IIT-JEE, Er. D. C. Gupta, have achieved a lot of acclaim by the IIT-JEE teachers and students for its quality and in-depth coverage. To make it more accessible for the students Disha now re-launches its complete series in 12 books based on chapters/ units/ themes. These books would provide opportunity to students to pick a particular book in a particular topic.

Magnetism, EMI & AC for JEE Main & Advanced (Study Package for Physics) is the 10th book of the 12 book set.

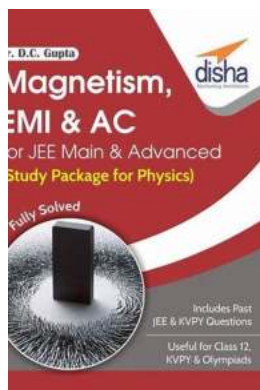
- The chapters provide detailed theory which is followed by Important Formulae, Strategy to solve problems and Solved Examples.
- Each chapter covers 5 categories of New Pattern practice exercises for JEE - MCQ 1 correct, MCQ more than 1 correct, Assertion & Reason, Passage and Matching based Questions.

- The book provides Previous years' questions of JEE (Main and Advanced). Past years KVPY questions are also incorporated at their appropriate places.
- The present format of the book would be useful for the students preparing for Boards and various competitive exams.



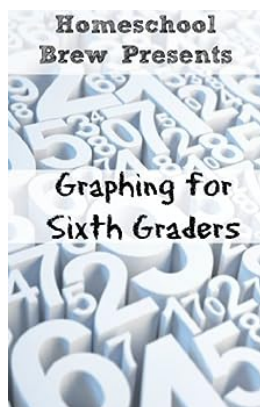
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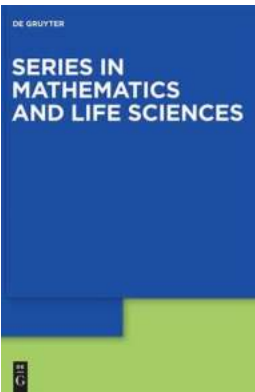
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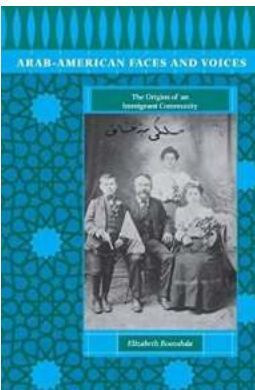
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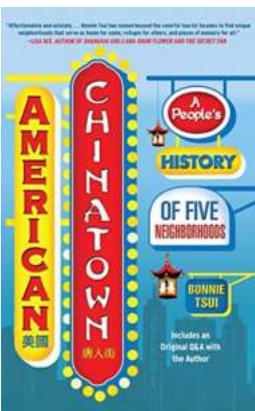
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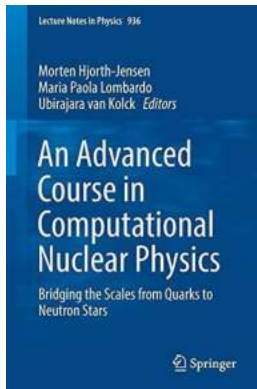
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