



Magnetism and Electromagnetism Multiple Choice Questions

Set 4 (Physics Only)

Tick **one** box.

1. Which effect do loudspeakers make use of to work?
 - A. doppler effect ☐
 - B. generator effect ☐
 - C. hall effect ☐
 - D. motor effect ☐

2. If an electrical conductor moves relative to a magnetic field, a potential difference is induced across the ends of the conductor. If the conductor is part of a complete circuit, a current is induced in the conductor. What is this effect known as?
 - A. doppler effect ☐
 - B. generator effect ☐
 - C. hall effect ☐
 - D. motor effect ☐

3. Which of the following can be said about the magnetic field created by an induced current?
 - A. it acts against the change that has made it ☐
 - B. it does not interact with the change that has made it ☐
 - C. it supports the change that has made it ☐
 - D. none of the above ☐

4. Which of the following factors affect the size of an induced current?
 - A. the number of turns on the coil ☐
 - B. the speed of the movement ☐
 - C. the magnetic field strength ☐
 - D. all of the above ☐

5. Which type of current is induced by a generator?
 - A. ac in an alternator and dc in a dynamo ☐
 - B. ac in a dynamo and dc in an alternator ☐
 - C. ac in both a dynamo and an alternator ☐
 - D. dc in both a dynamo and an alternator ☐

Magnetism And Electromagnetism Multiple Choice

S. P. Bali

A decorative graphic consisting of a red semi-circle with a white center, positioned to the right of the author's name.

Magnetism And Electromagnetism Multiple Choice:

Electricity, Magnetism and Electromagnetic Theory SR Manohara | Shubha A, Electricity Magnetism and Electromagnetic Theory has been designed to meet the needs of BSc Physics students as per the UGC Choice Based Credit System This textbook provides a thorough understanding of the fundamental concepts of electricity magnetism and electromagnetic theory Having a problem solving approach it covers the entire spectrum of the subject with discussion on topics such as electrostatics magnetostatics electromagnetic induction Maxwell s equations and electromagnetic wave propagation The concepts are exhaustively presented with numerous examples and figures diagrams which would help the students in analysing and retaining the concepts in an effective manner

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Principle of Electrical Engineering and Electronics Mehta V.K. & Mehta Rohit, 2014 This book has been revised thoroughly A large number of practical problems have been added to make the book more useful to the students Also included multiple choice questions at the end of each chapter

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General Physics : Multiple-Choice Questions Abdulaziz Aljalal,Ibraheem Nasser,Khateeb Ur-Rehman,2009

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Science and Mathematics for Engineering John Bird, 2019-10-08 A practical introduction to the engineering science and mathematics required for engineering study and practice Science and Mathematics for Engineering is an introductory textbook that assumes no prior background in engineering This new edition covers the fundamental scientific knowledge that all trainee engineers must acquire in order to pass their examinations and has been brought fully in line with the compulsory science and mathematics units in the new engineering course specifications A new chapter covers present and future ways of generating electricity an important topic John Bird focuses upon engineering examples enabling students to develop a sound understanding of engineering systems in terms of the basic laws and principles This book includes over 580 worked examples 1300 further problems 425 multiple choice questions with answers and contains sections covering the mathematics that students will require within their engineering studies mechanical applications electrical applications and engineering systems This book is supported by a companion website of materials that can be found at www.routledge.com/bird This resource includes fully worked solutions of all the further problems for students to access and the full solutions and marking schemes for the revision tests found within the book for instructor use In addition all 447 illustrations will be available for downloading by lecturers

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Basics of Electromagnetics and Transmission Lines G. Jagadeeswar Reddy, T. Jayachandra Prasad, 2020-03-05 This book provides a complete awareness on the subject EMTL with regards to both theoretical and practical aspects of the subject Various concepts from fundamentals to advanced topics are presented and discussed adequately The book's bottom up approach ensures that students understand all the basic building blocks before the development of a real life system Numerical problems and day to day examples practical situations that occur in industries daily life are also presented Please note Taylor Francis does not sell or distribute the Hardback in India Pakistan Nepal Bhutan Bangladesh and Sri Lanka

Physics Exam-builder for HKDSE Y. M. Yeung, 2020-12-21 Book 4 deals with the topics on the section electricity and magnetism which carries a substantial weight

on the HKDSE syllabus and examination Electricity plays an important role in the modern world in every sector of human activities Every person nowadays has to use electrical appliances every day Some general knowledge about electrical safety is essential As a subject learning this topic at DSE level lays the foundation for further studies in the field of science engineering and other innovative technological development It is customary to name this section of the syllabus as electricity and magnetism In fact there is a close relationship between them An electric current produces a magnetic field and magnetic fields interact to produce magnetic forces in motors A changing magnetic field produces an induced e m f which is the basic physics principle underlying the production of electricity using a c generators in power stations The magnetism of a permanent magnet is in fact due to atomic currents caused by orbiting and spinning electrons Hence except for static charges the name electromagnetism is used to describe various phenomena relating currents changing currents magnetic fields and changing magnetic fields

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Unveiling the Energy of Verbal Art: An Psychological Sojourn through **Magnetism And Electromagnetism Multiple Choice**

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