



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



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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Nasser,Khateeb Ur-Rehman,2009 **Electrical Technology, Vol1: Electrical Fundamentals** S. P. Bali,2013 Electrical

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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 **Physics** Robert Resnick, David Halliday, 1966

Science for Engineering John Bird, 2013-01-17 Science for Engineering offers an introductory textbook for students of engineering science and assumes no prior background in engineering John Bird focuses upon examples rather than theory 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 new edition of Science for Engineering covers the fundamental scientific knowledge that all trainee engineers must acquire in order to pass their exams It has also been brought fully in line with the compulsory science and mathematics units in the new engineering course specifications Supported by free lecturer materials that can be found at www.routledge.com/bird This resource includes full worked solutions of all 1300 of the further problems for lecturers instructors use and the full solutions and marking scheme for the fifteen revision tests In addition all illustrations will be available for downloading **Educart PHYSICS Class 12 NCERT Exemplar Problems Solutions**

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