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ABOUT THE TEST The SAT II: Physics Subject Test is developed by the College Board and administered by Educational Testing Service (ETS). The test development process involves the assistance of educators throughout the United States, and is designed and implemented to ensure that the content and difficulty level of the test are appropriate. Although some colleges require SAT II: Subject Tests as part of their admissions process, most colleges use the scores from the SAT II: Subject Test for student placement purposes. Test scores are used as a means of determining a student's aptitude for a particular course of study. The SAT II: Subject Test in Physics is one hour in length and consists of 75 multiple-choice questions. These questions are designed to measure your knowledge of physics and your ability to apply that knowledge. The general difficulty level of the test is designed for students who have taken a one-year introductory course in high school physics. To assist you in preparing for the exam, the College Board has provided the following list of exam topic percentages: mechanics (34-38% of exam); electricity and magnetism (22-26%); waves (15-19%); heat, kinetic theory, and thermodynamics (8-12%); modern physics (8-12%); miscellaneous (measurement, math skills, laboratory skills, history of physics, 2-4%). Concept application percentages are also provided: recall (20-33%); single-concept problem (40-53%); multiple-concept problem (20-33%). Primarily, the test assesses your knowledge and understanding of the most significant concepts in physics and your ability to apply that knowledge. Laboratory experience will contribute to your understanding of some of the questions on the test. Since the mathematical calculations are limited to simple algebraic, trigonometric, and graphical relationships, students are not permitted to use electronic calculators or slide rules during the test. For the majority of the test, metric units are used. For information on upcoming administrations of the exam, consult the publication *Taking the SAT II: Subject Tests*, which can be obtained from your guidance counselor or by contacting: College Board SAT

II Program P.O. Box 6200 Princeton, NJ 08541-6200 Phone: (609) 771-7600 Website: www.collegeboard.org ABOUT THE REVIEW

The topical review in this book is designed to refresh your knowledge and further your understanding of the test material. It includes problem-solving techniques you can use to enhance your scores on the exam. Also included in the review are extensive discussions and examples to sharpen your skills in physics. Topics covered in the review include: - Vectors and Scalars - Mechanics - Electricity and Magnetism - Waves and Optics - Physical Optics - Heat, Kinetic Theory, and Thermodynamics - Modern Physics

SCORING THE TEST When you take the actual Physics Test, your test will be scored electronically by a scanning machine. For each correct answer, you will receive one point. For each incorrect answer, you will lose one-fourth of a point. This method compensates for random guessing. Unanswered questions will not be counted.

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