SAT II: Physics Updates

Update: College Board Discontinues Score Choice™

The College Board recently eliminated their Score Choice™ service, which had given students the opportunity to view their SAT II Test scores before deciding whether or not to send the scores along to colleges. **All SAT II scores for tests taken after June 2002 will appear on the score reports sent to colleges.**

Updates: Kaplan's *SAT II: Physics*

Please note the following corrections to *SAT II: Physics*:

Book Pages	Corrections
page 42	In the explanation of question 28, the sentence should begin: "The law of conservation of **angular** momentum …"
page 47	power of a monomial: $(a^x b^y)^{\mathbf{z}} = a^{xz} b^{yz}$ [**z** should be an exponent]
page 53	The text should read: "Let's say a hiker walks 6 kilometers due **west**, then 8 km due north, then 10 km due **east**."
page 54	The text in the third diagram should be: Resultant displacement = **8.9** km at **27°** E of N
page 74	The *a* vs. *t* graph at the bottom of the page should be labeled with a **10** where the bold horizontal line intersects the vertical axis.
page 81	In the solution to question 4: Dt should be changed from 50 s to **5 s**.
page 85	The example at the top of the page should read, "Two forces act on a **40 kg** sled …" And in the first diagram, F_2 should equal **174 N**.
page 86	The first example should read: "Find the weight in newtons of a girl having a mass of **40** kg."

page 110	In the solution to the example, W should equal **800,000 J**. Solving for v_f, we get **56.6 m/s**.
page 119	The solution to (C) should be **1,970 N**.
page 149	Question 4 should begin: "Two charges q_1 and q_2 …"
page 173	In question 3, choice (A) should be **0.06 N**.
page 175	The answer to question 3 should be **0.06 N**.
page 195	Question 7 should read: "A beam of light passes from air into **glass**."
page 196	The explanation to question 7 should begin: "When the light enters the **glass**, …"
page 220	Question 8 should end: "… from **22˚C** to 24˚C?"
page 289	In the equations for questions 4–7, choice (B) should have **a right arrow** between Ra and Rn (instead of a +).
page 291	In question 17, choice (D) should be **38˚C**.
page 299	Question 53 should end: "Which of the five forces will cause the object to rotate about **point O**?"
page 304	The correct answers should be: **17. D** [not B] **66. C** [not B]
page 306	The correct answer to question 17 should be **D**. In the explanation, there should be **a negative sign before m_2** in each equation **and before 100 g**. The final solution to T_f should be **38˚**.
page 309	The correct answer to question 66 should be **C**.
page 325	Question 66 should read: "A person who is at rest **as the charge moves by him** will measure…"

page 328	The correct answers should be: **39. C** [not B] **40. B** [not C]
page 331	The answers and explanations to questions 39 and 40 should be switched.
page 341	In question 26, choice (E) should be **5 eV**.
pages 352 and 355	The correct answer to question 37 should be **D**.

Update: Computing Your Practice Test Scores

Step 1: Calculate your raw score.
Use the answer key following each practice test to count the number of questions you answered correctly and the number of questions you answered incorrectly. (Do not count any questions you left blank.)

Raw score = # of correct answers – (# of wrong answers x .25)

Step 2: Find your scaled score.
In the Score Conversion Table on the following page, find your raw score (rounded to the nearest whole number) in one of the shaded columns. The score directly to the right will be your scaled score.

A note on your practice test scores: Don't take these scores too literally. Practice test conditions cannot precisely mirror real test conditions. Your actual SAT II: Physics score will almost certainly vary from your practice test scores. However, your scores on the practice tests will give you a rough idea of your range on the actual exam.

Score Conversion Table:
SAT II: Physics Practice Tests

Raw Score	Scaled Score	Raw Score	Scaled Score	Raw Score	Scaled Score
75	800	39	660	3	430
74	800	38	650	2	430
73	800	37	650	1	420
72	800	36	640	0	410
71	800	35	640	–1	410
70	800	34	630	–2	400
69	800	33	630	–3	390
68	800	32	620	–4	390
67	800	31	610	–5	380
66	800	30	610	–6	370
65	800	29	600	–7	370
64	800	28	600	–8	360
63	800	27	590	–9	350
62	790	26	580	–10	350
61	790	25	580	–11	340
60	780	24	570	–12	330
59	780	23	570	–13	330
58	770	22	560	–14	320
57	770	21	550	–15	310
56	760	20	540	–16	310
55	760	19	540	–17	300
54	750	18	530	–18	290
53	750	17	530	–19	290
52	740	16	520		
51	730	15	510		
50	730	14	510		
49	720	13	500		
48	720	12	490		
47	710	11	480		
46	700	10	480		
45	700	9	470		
44	690	8	470		
43	690	7	460		
42	680	6	450		
41	670	5	450		
40	670	4	440		