



2008 Associate CET Study Guide Errata Sheet

An updated version of the Associate CET Study Guide Errata Sheet can be found online at www.eta-i.org/ASTerrataSheet.pdf

Page 14, Table 1:

Corrected Version of Diagram

M U L T I P L Y	Tera		10^{12}	D I V I D E
	Giga		10^9	
	Mega		10^6	
	Kilo		10^3	

	Hertz, Volts, etc.			

	Milli		10^{-3}	
	Micro		10^{-6}	
	Nano		10^{-9}	
	Pico		10^{-12}	

Page 15, Equations:

On rearranging the equation to maintain equality:
 $b = a / c$, then $3 = 6 / 2$ which is also true...

Page 22, Math for Electronics:

The initial equation should read:

$$f_r = \sqrt{\frac{.159}{(2 \times 10^{-4}) \times (2 \times 10^{10})}}$$

Under Resonant frequency, the first solution should read:

$$f_r = 79.5 \times 10^4$$

Page 32, DC Circuits:

Question 7, answer "a" should be 5.1 vdc, not 4.4 vdc

Page 39, Inductance:

Right column, second paragraph...

$$\frac{1}{L_T} = \frac{1}{L_1} + \frac{1}{L_2} + \dots + \frac{1}{L_n}$$

Page 42, Answers Chapter 5 Quiz:

#9 a

#10 b

Page 69, Direction of Current Flow:

In Figures 8 and 9 the diode should be opposite as shown:

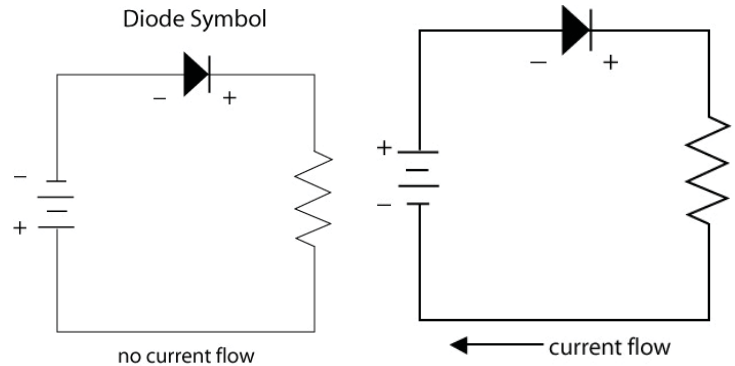


Fig. 8

Fig. 9

Page 75, Semiconductors

Question 3 should read:

To properly bias a NPN silicon signal amplifier transistor which voltages appear correct for a signal amplifier?

Also, answer "a" for Question 3 should read:

E = 0; B = +.5; C = 10

Question 7 should read:

"The primary difference between a NPN and a PNP transistor is:

- physical size.
- DC voltages are reversed.
- one is germanium and the other silicon.
- the polarity of the power supply voltage

The answer for Question 8 is "a".

Page 94, Amplifiers Circuits, Types and dBs

The answer for the top sample problem on the left should be "a."



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Page 95, Amplifiers Circuits, Types and dBs

dB Table:

dB 16 should have voltage ratio of 6.3 and Power Ratio of 40

Page 97, Chapter 12 Quiz

Question 6 has two "b" distractors. The answers should be:

- A) Class A
- B) Class B (correct answer)
- C) Class C
- D) All of the above

Page 98, Review Questions

Question 4, answer "b" is 15.5 V DC

Page 99, Review Questions

Question 7 should read:

If the frequency of the input signal to an Op-Amp increases,
then the output signal level _____.

Page 101, Antenna:

The formula for finding the length of a 1/4 wavelength
antenna:

$$1/4 \text{ WAVELENGTH (ft.)} = \frac{246}{\text{freq (MHz)}}$$

Page 114, Transmitters, Transmission Line and Antennas

The answer for Question 10 is "b."

Page 131, Counting in Binary:

Left hand column at near top,

"c." should be 1777 octal, not 177 octal

Page 143, Displays:

In the resolution table...

SVGA is 800 x 600

XGA is 1,024 x 768

Page 175, Review Questions

The answer for Question 1 is "a."

Page 181, Record Keeping, Productivity Calculation & Personal Behavior

Chapter Quiz:

The answer for Question 4 can be "a", "b" or "c."

Page 188, Appendix A, Practice Exams

The answer for Question 23 can be "a", "b" or "c."

Page 204, Answers Practice Exam 1:

#37 c

Page 204, Answers Practice Exam 2:

#6 d

#43 a, c or d

#13 a or d

#61 a

#39 a or d

#68 c