

EET 121 Reading – Unit 1

Section #	UNIT 1 TOPICS	# of Pages
1-1	Scientific Notation Pg 4 thru 7, Review Pg 9 top 1/3	4 1/3
1-1	Engineering Notation Pg 7 bot, thru Pg 9 top	1 1/2
1-2	Prefixes	1 3/4
1-3	Converting Units	2
2-1	Atoms	3 3/4
2-2	Charge	2
2-3	Voltage Pg 29 bot 1/8, Pg 30 bot 1/4 thru Pg 33 top 7/8 Review Pg 34 Bottom	3 1/4
2-4	Current Pg 35 thru pg 36 top 1/2 Review Pg 38 top	1 1/2
3-7	Battery Amp Hr Calculation Pg. 93 Bottom 1/2	1/2
2-6	The Electric Circuit	7
2-7	Measuring Voltage and Current (Skip Pg. 55 bottom “Meas. Res.”, & Pg. 59 “The Ohm Scale” until Unit 2)	6 1/2
Total Pages		34

EET 121 Reading – Unit 2

Section	TOPIC	Pages
2-5	Resistance Up to page 45 top ¼ Pg. 47 Review	7 ¼
2-7	Measuring Resistance Pg. 55 “Measuring Resistance” only Pg. 59 “The Ohm Scale” only (Note: When Measuring Resistance, Remove 1end then measure)	½
3-1	Ohms Law	4 ½
3-2	Ohms Law Problems	5 ¾
3-3	Energy and Power Definitions	3 ½
3-4	Power Problems	2 ¾
3-5	Resistor Power Ratings	3 ½
Total Pages		27 ¾

Section	TOPICS	Pages
4-1	Resistance in Series	2 ½
2-5	Variable Resistors Pg. 45 bottom ¾ & Pg. 46	1 ¾
4-2	Total Resistance	4 ½
4-3	Current in a Series Circuit	1 ½
4-4	Ohms Law in Series Circuits	4 ½
4-5	Voltage Sources in Series	2 ½
4-6	Kirchoff's Voltage Law	3 ¾
4-8	Power in a Series Circuit	1 ½
4-10	Troubleshooting	4 ¼
3-8	Troubleshooting a Basic Series Circuit	3
<hr/>		
Total Pages		29 ¼

EET 121 Reading – Unit 5

Section	Topics	Pages
6-1	Identifying Series-Parallel Relationships	5 ½
6-2	Analysis of Series-Parallel Circuits Pg. 220 bottom 1/3 thru 222 top 2/3	2
4-7	Voltage Dividers	6 ¾
4-9	Voltage Measurements wrt Ground	4 ½
6-3	Voltage Dividers w/Loads Pg. 227 bottom ½ thru 229 top ½	2
6-6	Thevinin's Theorem 239 bottom ½ thru 242 top ¾ and 246	4 ¼
6-5	The Wheatstone Bridge (Balanced) 234 bottom ¼ thru 236	2 ¼
6-5	The Wheatstone Bridge (Unbalanced) 237 thru 239 top 1/3	2 1/3
<hr/>		
Total Pages		29 ½

EET 121 Reading – Unit 6

Section	TOPICS	Pages
7-5	Electromagnetic Induction	3 ½
8-1	The Sine Wave	5
8-2	Sinusoidal Voltage Sources thru 325 but skip the last Par	3
	Pg 326 bottom ¾ Starting at Voltage Amplitude	¾
8-3	V & I values of Sine Waves All but skip Average value on Pg.329	3 ¼
8-4	Sine Wave Angles Pg 332 bottom ½ and Pg 333 Fig. 8-26 Only	¾
8-6	Ohms Law in AC	2 ½
8-9	The Oscilloscope 349 bottom ½ thru 356 top ¾	7
	The Function Gen. Pg 356 bottom ¼ thru 358 top ½ (Skip Pg 358 bottom ½ Fig 8-73 & Step 5)	1 ¾
<hr/>		
Total		27 ½

EET 121 Reading – Unit 7

Section	Topics	Pages	
9-1	The Basic Capacitor	8.5	
9-2	Types of Caps	5	
9-3	(Skip)	0	
9-4	Parallel Capacitors	2	
9-5	Caps in DC Circuits	pg. 392 bottom ½ thru pg 395 top ¾	3.25
	Summary	pg 413 bottom ½, 414 top ½	1
		Reading Total	20