## **EET1033 H-4 Parallel Cts**

## **Multiple Choice**

Identi	fy the	e choice that best completes the statement or ans	wer.	s the question.		
	1.	A circuit is the conductors that supply po device (fuse or circuit breaker).	wer	to electrical equipment from the last overcurrent protective		
		a. branch	c.	parallel		
		b. feeder		series		
	2.	is the amount of power a circuit is supply	_			
		a. Amperage		Resistance		
		b. Load	a.	Voltage		
	3.	The across any branch of a parallel circuit is the same as the applied voltage.				
		a. amperage		voltage drop		
		b. resistance	d.	wattage		
	4.	The total resistance of a circuit is always circuit. a. combination b. parallel c. series	less	than the resistance of the lowest value resistor in the		
	5.	According to Ohm's law, an increase of resistance must cause a proportional decrease of .				
		a. voltage		resistance		
		b. wattage	d.	current		
	6.	In parallel circuits, when all resistors are of eqindividual resistor .	ual v	value the total resistance is equal to the value of one		
		a. multiplied by the number of resistors	c.	multiplied by the voltage		
		b. divided by the number of resistors		divided by the voltage		
	7.	When using the product over sum method of d	eteri	mining the total resistance of a parallel circuit, you would		
		a. multiply the total of $R(1)$ times $R(2)$ by the total of $R(1)$ plus $R(2)$				
		b. multiply the total of R(1) plus (R2) by the		\ / <b>1</b> \ \ /		
		c. divide the total of $R(1)$ times $R(2)$ by the t				
		d. divide the total of $R(1)$ plus $R(2)$ by the to				
	8	The reciprocal of any number is that number divided .				
	0.	a. by 1		into 10		
		b. into 1		by 10		
	0			·		
	9.	1				
		a. series		combination any of the above		
		b. parallel	u.	any of the above		
	10.	•	_	hrough each resistor is inversely proportional to its		
		a. amperage		resistance		
		b. current	d.	wattage		
	11.	In parallel circuits, the voltage across each bra	nch	of the circuit is .		

	<ul><li>a. dependent on the value of the branch re</li><li>b. dependent on the total current</li><li>c. always equal</li><li>d. none of the above</li></ul>	sistor			
12.	If four resistors, each with a value of 100 ohms, are connected in parallel, the total resistance of the circuit is ohms.				
	a. 400	c.	50		
	b. 100	d.			
13.		5 amps c.	and 30 ohms, are connected in parallel and the circuit has a . The total current of the 20-ohm branch is amps. 50 60		
14.	. If a parallel circuit has two resistors with values of 10 ohms and 25 ohms, the total resistance of the circu ohms.				
	a. 250	c.	7.14		
	b. 35		.14		
15.	The amount of current leaving the sourcea. is always less than the current returning b. is always more than the current returning c. must equal the current returning to the sd. varies with the value of the resistance in	ng to the	e source		