EET1033 H-3 Series Cts

Multiple Choice

Identify the choice that best completes the statement or answers the question.

	1.	In a series circuit, the is the same at any p	oin	t in the circuit.	
		a. amperageb. resistance	c. d.	voltage wattage	
	2.	indicates the amount of voltage necessary to push the current through the limiting element.			
		a. Voltage polarity	c.	Series resistance	
		b. Voltage drop	d.	Resistance adds	
	3.	The amount of voltage required to push the electrons through the circuit is determined by the amount of			
		a. amperage	c.	wattage	
		b. resistance	d.	a and b	
	4.	The total amount of resistance to current flow i	n a	series circuit is equal to the sum of the in that circuit.	
		a. amperages	c.	voltages	
		b. resistances	d.	wattages	
	5.	If a series circuit has three resistors and two amps flow through each resistor, the total amperage for the			
		circuit is amps.		4	
		a. 0 h 2	с. 1	4 0	
		0. 2	u.	8	
	6.	In which of the following types of circuits can power dissipation of all the parts of the circuit?	the 1	total power of the circuit be determined by adding the	
		a. series	c.	combination	
		b. parallel	d.	all of the above	
	7.	7 are used to provide different voltages between certain points of a circuit.			
		a. Voltage multipliers	c.	Voltage dividers	
		b. Voltage adders	d.	Resistance adders	
	8.	According to the general voltage divider formula, the voltage drop across any particular resistance is equal to the total circuit current the value of that resistor.			
		a. plus	c.	times	
		b. minus	d.	divided by	
	9.	In voltage divider circuits, is often used to provide a common reference point to produce voltages that are above or below ground.			
		a. amperage	c.	resistance	
		b. ground	d.	power	
Completion Complete each statement.					
	10. A circuit is a circuit that has only one path for the current to flow.				

11. ______ is the force that pushes the electrons through a resistance.

- 12. In a series circuit, the sum of all the voltage drops across all the resistors must be equal to the ______ applied to the circuit.
- 13. The definition of _______ is that the total resistance of a circuit can be found by adding the values of all the resistors in that circuit.
- 14. Given the voltage and the resistance, the amount of current flow in a circuit can be determined by using ______.
- 15. Using Ohm's law, it would take ______ volts to push 4 amps of current through 20 ohms of resistance.