Name		

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

 In a series circuit with two resistors, the resistor with the highest resistance will drop	1)
A) more	
B) less	
C) the same	
D) None of these	
 2) If one branch of a parallel circuit loses continuity, the other branches will still each receive source voltage and ground. A) True B) False 	2)
3) Technician A says that the sum of the voltage drops in a series circuit should equal the source	3)
voltage. Technician B says the current (amperes) varies depending on the value of the resistance	
in a series circuit. Which technician is correct?	
A) Technician A only	
B) Technician B only	
C) Both technicians A and B D) Neither technician A new P	
D) Neither technician A nor B	
4) As additional branches are added to a parallel circuit, total circuit amperage	4)
A) increases	
B) decreases	
C) remains the same	
D) None of these	
5) In a series circuit	5)
A) total circuit resistance is equal to the sum of all resistances in the circuit	
B) current flow is constant at any point in the circuit	
C) Both A and B	
D) Neither A nor B	
6) Knowledge of parallel circuit fundamentals is necessary to diagnose	6)
A) port fuel injection circuits	
B) diesel glow plug circuits	
C) add-on lighting circuits	
D) All of these	
7) If a 12-volt battery is connected to a series circuit with three resistors of 2 ohms, 4 ohms, and 6	7)
ohms, how much current will flow through the circuit?	
A) 1 amp	
B) 2 amp	
C) 3 amp	

C) 3 amp D) 4 amp

 The total circuit resistance of a parallel circuit is always any branch of the circuit. 	_ the lowest resistance present in	8)
A) less than		
B) more than		
C) equal to		
D) None of these		
9) The amperage in a series circuit is		9)
A) the same anywhere in the circuit		
B) varies in the circuit due to the different resistances		
C) high at the beginning of the circuit and decreases as the c resistance	rurrent flows through the	
D) always less returning than leaving the battery		
10) The sum of currents in each branch of a parallel circuit will	total circuit current.	10)
A) equal		
B) be more than		
C) be less than		

D) None of these

Answer Key Testname: AEEP8_5B

> 1) A Page Ref: 73 2) A Page Ref: 76 3) C Page Ref: 73 4) A Page Ref: 76 5) C Page Ref: 74 6) D Page Ref: 77 7) A Page Ref: 73 8) A Page Ref: 76 9) A Page Ref: 74 10) A Page Ref: 76