LTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.		
1) The differential pressure sensor is used to monitor the operation of the	1)	
A) DPF	_	
B) SCR		
C) Muffler		
D) Tailpipe temperature		
2) A wide-band oxygen sensor operation differs from a conventional oxygen sensor because it	2) _	
A) Is able to monitor a broader air-fuel ratio		
B) Operates at a hotter temperature		
C) Becomes operational faster on a cold start		
D) All of the above		
3) Diesel exhaust systems are being discussed. Technician A says that the exhaust downpipe can be	3) _	
changed to a header system for more power. Technician B says that the exhaust downpipe is part		
of the emission certification and should not be changed. Which technician is correct?		
A) Technician A only		
B) Technician B only		
C) Both technicians A and B		
D) Neither technician A nor B		
4) Diesel oxidation catalysts (DOC) are being discussed. Technician A says they are used to reduce	4) _	
the level of hydrocarbons (HC) in the exhaust stream. Technician B says they are used to reduce		
the level of carbon monoxide (CO) in the exhaust stream. Which technician is correct?		
A) Technician A only		
B) Technician B only C) Both technicians A and B		
D) Neither technician A nor B		
D) Neither technician Anol B		
5) The diesel oxidation catalyst converts into inside the catalyst.	5) _	
A) HC; CO ₂ and water		
B) NOx; S ₂ O		
C) Diesel fuel; heat		
D) None of these		

- regulator valve helps control idle speed during extended idle periods. Technician B says that the EBPR causes restrictions in the exhaust and can safely be removed in warm climates. Which technician is correct?
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

7) During an active regeneration event A) The temperature of the DPF will be higher than during a passive regeneration event B) Will only occur if a passive regeneration event is ineffective C) Additional fuel will be added to the DPF D) All of the above	7)
8) The implementation of Tier II diesel emissions requirements in 2007 required the reduction of which two tailpipe emissions? A) CO and HC B) CO and NOx C) PM and NOx D) PM and HC	E 8)
9) During a regeneration event the temperature increases to or more in the diesel particulate filter. A) 315°F B) 600°F C) 212°F D) 100°F	9)
(10) A can be used to measure the density of diesel exhaust fluid (DEF). A) Thermometer B) Voltmeter C) Pressure gauge D) Refractometer	10)

Answer Key

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- 1) A Page Ref: 171
- 2) D
- Page Ref: 173
- 3) B
 - Page Ref: 167
- 4) C
 - Page Ref: 168
- 5) A
- Page Ref: 168
- 6) D
 - Page Ref: 167
- 7) D
 - Page Ref: 171
- 8) C
 - Page Ref: 165
- 9) B
 - Page Ref: 171
- 10) D
 - Page Ref: 169