Name			

1) Which CDI made of enoughion requite in a migh on air first maintain a sent to a sent the sent to a	1)	
 Which GDI mode of operation results in a richer air-fuel mixture near the spark plug? A) Stoichiometric 	1)	
B) Homogeneous		
C) Stratified		
D) Knock protection		
2) The GDI injector is held open with 50 to 90 volts.	2)	
A) True		
B) False		
3) What GDI operating mode is used to burn sulfur from the NO_X catalyst?	3)	
A) Stratified mode		
B) Homogeneous stratified mode		
C) Stratified heating mode		
D) None of these		
4) A characteristic of GDI systems that could cause a customer concern is		
A) The high fuel pressure causes the injectors to be noisy		
B) A slight fuel smell when idling		
C) Harder to start when cold		
D) GDI engines have noisy valves		
5) Technician A says that the cylinder head and piston design of a GDI engine is the same as in a		
port injected engine. Technician B says that a GDI engine uses specially shaped pistons	s. Which	
technician is correct?		
A) Technician A only		
B) Technician B only		
C) Both technicians		
D) Neither technician		
6) The high pressure fuel pumps used in gasoline direct injection (GDI) systems are power	ered by 6)	
A) Electricity (DC motor)		
B) Electricity (AC motor)		
C) The camshaft		
D) The crankshaft		
7) When the fuel pressure regulator is deactivated, the fuel pressure defaults to	. 7)	
A) High pressure mode		
B) Low pressure mode		
C) Acceleration mode		
D) 60 PSI		

8) Some engines that use a gasoline direct injection system also have port injection.		
A) True		
B) False		
9) Some GDI engines exhibit carbon build-up in the engine. Where do these carbon deposits accumulate?	9)	
A) In the exhaust system		
B) On the back of the intake valve		
C) At the throttle valve		
D) In the intake manifold		
10) The fuel pump inside the fuel tank on a vehicle equipped with gasoline direct injection produces	10)	
about what fuel pressure?		
A) 5 to 10 PSI		
B) 10 to 20 PSI		
C) 20 to 40 PSI		

D) 50 to 60 PSI

Answer Key

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- 1) C
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- 2) B
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- 3) C
 - Page Ref: 439
- 4) A
 - Page Ref: 441
- 5) B
 - Page Ref: 439
- 6) C
 - Page Ref: 437
- 7) B
 - Page Ref: 438
- 8) A
- Page Ref: 440
- 9) B
 - Page Ref: 441
- 10) D
 - Page Ref: 437