

Name \_\_\_\_\_

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

- 1) Which type of diesel injection produces less noise? 1) \_\_\_\_\_  
A) Indirect injection (IDI)  
B) Common rail  
C) Direct injection  
D) Distributor injection
  
- 2) The most common diesel exhaust emission test used in local testing programs is \_\_\_\_\_. 2) \_\_\_\_\_  
A) The opacity test  
B) The exhaust temperature test  
C) The paper test  
D) A "Check Engine" light test
  
- 3) A diesel engine should produce at least \_\_\_\_\_ psi of compression pressure and all cylinders should be within 50 psi of each other. 3) \_\_\_\_\_  
A) 150  
B) 250  
C) 300  
D) 450
  
- 4) Glow plugs should have high resistance when \_\_\_\_\_ and lower resistance when \_\_\_\_\_. 4) \_\_\_\_\_  
A) Cold/warm  
B) Warm/cold  
C) Wet/dry  
D) Dry/wet
  
- 5) Selective catalytic reduction (SCR) uses urea injection to reduce \_\_\_\_\_ emissions. 5) \_\_\_\_\_  
A) NO<sub>x</sub>  
B) CO<sub>2</sub>  
C) H<sub>2</sub>O  
D) CO
  
- 6) What fuel system component is used in a vehicle equipped with a diesel engine that is NOT usually used on the same vehicle when it is equipped with a gasoline engine? 6) \_\_\_\_\_  
A) Fuel filter  
B) Fuel supply line  
C) Fuel return line  
D) Water-fuel separator
  
- 7) High pressure common rail fuel injectors are opened by \_\_\_\_\_. 7) \_\_\_\_\_  
A) Solenoids  
B) Injector pump pressure  
C) Engine oil pressure  
D) Either A or C

- 8) What color exhaust smoke occurs most often during cold engine starts because the smoke is usually condensed fuel droplets? 8) \_\_\_\_\_
- A) Grey
  - B) Blue
  - C) White
  - D) Black
- 9) The process of purging soot from a diesel particulate filter is called \_\_\_\_\_. 9) \_\_\_\_\_
- A) Regeneration
  - B) Regulation
  - C) Sooting
  - D) Heating
- 10) The diesel exhaust fluid is injected \_\_\_\_\_. 10) \_\_\_\_\_
- A) After the oxidation catalyst
  - B) Into the exhaust manifold
  - C) Just in front of the muffler
  - D) At the end of the tail pipe

## Answer Key

Testname: ENGINES9\_11A

1) A

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2) A

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3) C

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4) B

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5) A

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6) D

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7) D

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8) C

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9) A

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10) A

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