

Name _____

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

- 1) Technician A says that injector nozzles are either opened by the high-pressure pulse from a distributor pump or electrically by the computer on a common rail design. Technician B says that indirect injection (IDI) delivers fuel directly into the combustion chamber. Who is right?
A) A only
B) B only
C) Both A and B
D) Neither A nor B 1) _____

- 2) Which diesel system supplies high-pressure diesel fuel to all of the injectors all of the time?
A) Distributor
B) Inline
C) High pressure common rail
D) Rotary 2) _____

- 3) Which diesel injection system requires the use of a glow plug?
A) Indirect injection (IDI)
B) High pressure common rail
C) Direct injection
D) Distributor injection 3) _____

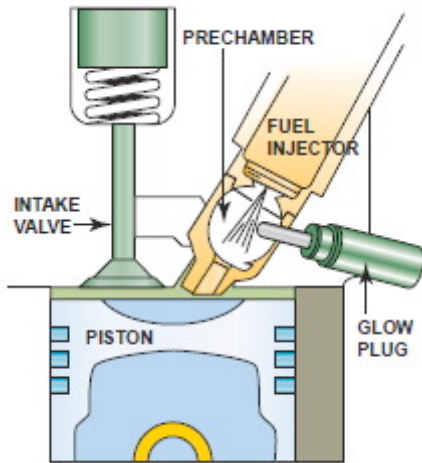
- 4) Which of these takes place during regeneration in a diesel particulate filter (DPF)?
A) The oxygen sensor is being cleaned
B) Soot is being burned
C) EGR system is being actively tested
D) Catalytic converter is being purged 4) _____

- 5) Technician A says that glow plugs are used to help start a diesel engine and are shut off as soon as the engine starts. Technician B says that the glow plugs are turned off as soon as a flame is detected in the combustion chamber. Which technician is correct?
A) Technician A only
B) Technician B only
C) Both Technicians A and B
D) Neither Technician A nor B 5) _____

- 6) The three phases of diesel ignition include _____.
A) Glow plug ignition, fast burn, slow burn
B) Slow burn, fast burn, slow burn
C) Ignition delay, rapid combustion, controlled combustion
D) Glow plug ignition, ignition delay, controlled combustion 6) _____

7) This diesel engine is the _____ type.

7) _____



- A) Direct injected
- B) Indirect injected
- C) Heat injected
- D) Low compression

8) Selective catalytic reduction (SCR) uses urea injection to reduce _____ emissions.

8) _____

- A) NO_x
- B) CO₂
- C) H₂O
- D) CO

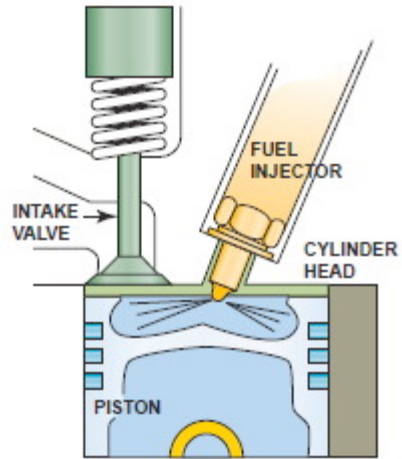
9) Glow plugs should have high resistance when _____ and lower resistance when _____.

9) _____

- A) Cold/warm
- B) Warm/cold
- C) Wet/dry
- D) Dry/wet

10) This diesel engine is the _____type.

10) _____



- A) Direct injected
- B) Indirect injected
- C) Heat injected
- D) Low compression

Answer Key

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1) A

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2) C

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3) A

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4) B

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5) D

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6) C

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7) B

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8) A

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9) B

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10) A

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