

Name \_\_\_\_\_

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

- 1) Engine oil rated as CJ-4 is used in late model diesel engines because it has a low \_\_\_\_\_ content. 1) \_\_\_\_\_
  - A) Heat
  - B) Viscosity
  - C) Ash
  - D) Sulfur
  
- 2) If the driver ignores the DEF reminder light for too long of a time, what may happen? 2) \_\_\_\_\_
  - A) The engine will have reduced power
  - B) The engine may not run at all
  - C) Either A or B
  - D) Neither A nor B
  
- 3) During maintenance pre-check, the service technician finds the oil level in the engine to be overfull. What could cause this condition? 3) \_\_\_\_\_
  - A) Diesel fuel contamination
  - B) A leaking cooling system
  - C) Overfill during a previous service
  - D) Any of the above
  
- 4) During the service of a light-duty diesel vehicle, the service technician finds the water-in-fuel (WIF) indicator illuminated. How should this condition be resolved? 4) \_\_\_\_\_
  - A) Replace the water separator.
  - B) Replace the fuel filters.
  - C) Drain the water separator.
  - D) Reset the indicator light with the scan tool.
  
- 5) During the service of a modern light-duty vehicle, the service technician finds the low DEF indicator illuminated. After refilling the system, the service technician notices the light is still illuminated. What is the *most likely* cause of this condition? 5) \_\_\_\_\_
  - A) The level sensor may be inoperative and the reservoir may need to be replaced.
  - B) This is normal for some light-duty diesel vehicles.
  - C) A scan tool is needed to reset the indicator after the vehicle has been serviced.
  - D) The technician should check the type of DEF used as this is an indication that the wrong fluid was added to the reservoir.
  
- 6) Two technicians are discussing cooling system service. Technician A says the type of coolant in the engine can be identified by its color. Technician B says only deionized water may be used when diluting concentrated coolant. Which technician is correct? 6) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B

- 7) The service technician is replacing the fuel filters on a light-duty diesel vehicle and the vehicle fails to restart after the task is completed. What is the most likely cause? 7) \_\_\_\_\_
- A) The vehicle is out of fuel and must be refilled.
  - B) The filters were installed incorrectly, blocking the flow of fuel to the engine.
  - C) The service procedure was not followed correctly and excessive air is in the system.
  - D) The vehicle has the wrong fuel in the tank for the season.
- 8) During a pre-maintenance check the technician notices the engine oil level is low. What should the technician do next? 8) \_\_\_\_\_
- A) Inspect for oil leaks
  - B) Add oil and test drive
  - C) Measure again using a different dip stick
  - D) Check for TSBs concerning low oil levels
- 9) While filling the DEF tank some DEF has been spilled. What should the technician do? 9) \_\_\_\_\_
- A) Wash the area with water
  - B) Surround the spill with haz-mat sponges
  - C) Soak up the DEF with rags and dispose with used oil filters
  - D) None of these is the proper procedure
- 10) The service interval for cooling system service may be as low as \_\_\_\_\_ miles between changes. 10) \_\_\_\_\_
- A) 110,000
  - B) 40,000
  - C) 20,000
  - D) 36,000

## Answer Key

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1) C

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2) C

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3) D

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4) C

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5) B

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6) B

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7) C

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8) A

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9) A

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10) B

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