

(These items were developed by teachers for the Technical Skills Assessment. Below is a sample item for each program standard.)

Question 1 of 17

Fire extinguishers extinguish fires by removing which requirement?

- A)** Nitrogen
- B)** Oxygen
- C)** Fuel
- D)** Heat

Question 2 of 17

Which condition could NOT cause engine vibration?

- A)** Loose u-joint
- B)** Cracked vibration damper
- C)** Bent crankshaft
- D)** Loose power steering pump

Question 3 of 17

An oil pressure warning light fails to illuminate even when the engine is off. What is the LEAST LIKELY cause?

- A)** Burned out warning light bulb
- B)** Defective sending unit
- C)** High resistance between the sending unit and warning light
- D)** Grounded wire from the light to the sending unit

Question 4 of 17

What is the normal percentage of coolant to water in the cooling system?

- A) 60/40
- B) 40/60
- C) 50/50
- D) 70/30

Question 5 of 17

What needs to be removed to check a diesel engine's compression?

- A) Spark plugs
- B) Fuel injectors
- C) Intake manifold
- D) Exhaust manifold

Question 6 of 17

When should the Fuel Water separator be drained?

- A) Weekly
- B) Daily
- C) Monthly
- D) Annually

Question 7 of 17

When lubricating a U-joint, what does it mean if fresh lube can be seen at all bearing seals?

- A) U-joint has been properly lubed.
- B) Seals are worn and should be replaced.
- C) Trunnions are worn and should be replaced.
- D) Bearings are worn and should be replaced.

Question 8 of 17

Which factor is NOT essential to ABS operation?

- A) Spindle diameter
- B) Sensor adjustment
- C) Tire size
- D) Sensor output voltage

Question 9 of 17

On a hydraulic brake system, Technician A says excessive brake pedal travel can be caused by a leaking check valve. Technician B says excessive brake pedal travel can be caused by an improperly adjusted master cylinder push rod. Who is correct?

- A) Technician A only
- B) Technician B only
- C) Both Technicians A and B
- D) Neither Technician A nor B

Question 10 of 17

A truck cab equipped with air suspension exhibits lower than normal ride height. A technician inspects the system and finds there are no leaks. What could be the problem?

- A) There is an inoperative air brake control valve.
- B) The cab height control valve intake port is blocked.
- C) There is a kinked cab air bag.
- D) It is a defective air compressor.

Question 11 of 17

Technician A says tires must be checked for proper inflation when cold. Technician B says if one tire in a dual-tire setup goes flat, the vehicle can still be operated. Who is correct?

- A) Technician B only
- B) Technician A only
- C) Neither Technician A nor B
- D) Both Technicians A and B

Question 12 of 17

What should be checked when performing pintle hook mounting?

- A) Stress cracks
- B) Lube points
- C) Missing pin
- D) Not properly painted

Question 13 of 17

Which ohmmeter reading indicates an open injector winding?

- A) 0 ohms
- B) OL or OFL
- C) 25K ohms
- D) 2.5 ohms

Question 14 of 17

What problem causes low fluid in a maintenance-free battery?

- A) Low voltage
- B) Undercharging
- C) A leak
- D) Cold temperatures

Question 15 of 17

Which is NOT a reason for a poor starter ground?

- A) Missing engine-to-frame ground strap
- B) Missing starter ground strap
- C) Loose mounting bolts
- D) Corroded cab mounts

Question 16 of 17

What is the BEST method of repairing a broken wire?

- A) Use a crimped butt connector.
- B) Wrap with electrical tape.
- C) Solder and seal with shrink tubing.
- D) Use a wire nut.

Question 17 of 17

What should be checked when inspecting the light cord for a trailer lighting system?

- A) Worn pins
- B) Pogo stick
- C) Dielectric grease
- D) Blown fuse

Diesel Engine Repair Sample Test Answer Key

Question	Answer
1.	B
2.	A
3.	D
4.	C
5.	B
6.	B
7.	A
8.	A
9.	B
10.	B
11.	B
12.	A
13.	B
14.	C
15.	D
16.	C
17.	A