

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Which of the following is NOT a typical engine mechanical-related complaint?
  - A. Faulty spark plug
  - B. Excessive oil consumption
  - C. Engine misfiring
  - D. Smoke from the engine
  
2. What is a key consideration before testing for mechanical engine problems?
  - A. Inspection and testing of the ignition and fuel systems
  - B. Thorough inspection of the fuel tank
  - C. Checking the exhaust system
  - D. Ensuring the battery is fully charged
  
3. Which test helps determine the condition of the rings, valves, and cylinder walls inside the engine?
  - A. Power balance test
  - B. Wet compression test
  - C. Compression test
  - D. Vacuum test
  
4. What does a cylinder leakage test primarily determine?
  - A. The vacuum level of the engine
  - B. The power balance between cylinders
  - C. The oil consumption rate
  - D. The amount of leakage past the rings and valves
  
5. What is the primary purpose of the wet compression test?
  - A. To determine the vacuum level
  - B. To check the condition of the ignition system
  - C. To measure oil consumption
  - D. To identify if the low compression is due to valves or rings
  
6. Which test is conducted by disabling the fuel and ignition systems and then cranking the engine?
  - A. Wet compression test
  - B. Power balance test
  - C. Relative compression test
  - D. Running compression test
  
7. What is the primary purpose of a running compression test?
  - A. To evaluate the rings, valves, and cylinder walls during engine operation
  - B. To determine engine vacuum
  - C. To check the condition of the spark plugs
  - D. To measure oil pressure

8. Which of the following is a symptom of a restricted exhaust?

- A. High oil pressure
- B. Excessive engine noise
- C. Loss of engine power
- D. Engine misfiring

9. A cylinder power balance test is primarily used to diagnose:

- A. Oil consumption issues
- B. Engine noise sources
- C. Misfiring cylinders
- D. Exhaust restrictions

10. What is the main purpose of a vacuum test?

- A. To determine the quality of the engine oil
- B. To measure the engine's ability to produce and hold vacuum
- C. To evaluate the ignition system
- D. To check the condition of the exhaust system

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Chapter 23

Multiple Choice Quiz A

Answer Key

1. A

2. A

3. C

4. D

5. D

6. C

7. A

8. C

9. C

10. B