

Name: _____

Date: _____

1. What is the primary function of the pressure ring in a clutch system?
 - A. To engage the clutch
 - B. To provide a mounting place for springs
 - C. To dissipate heat and prevent warpage
 - D. To transmit torque from the flywheel

2. How does a dual-mass flywheel typically exhibit failure, and what is the common symptom?
 - A. Failure of the torsional load springs, symptom is gear rattle
 - B. Warping due to excessive heat, symptom is vibration
 - C. Breakage of the damper springs, symptom is noise
 - D. Failure of the friction material, symptom is slipping clutch

3. What is the role of the clutch cover (hat) in a clutch system?
 - A. To transmit torque from the flywheel to the pressure ring
 - B. To absorb engine torque peaks
 - C. To engage and disengage the clutch disc
 - D. To provide a heat sink for the clutch system

4. What function do release levers serve in a clutch system?
 - A. They compress springs and pull the pressure ring away from the disc
 - B. They help in changing gears
 - C. They connect the clutch pedal to the clutch disc
 - D. They absorb engine vibrations

5. What is the main benefit of using double disc clutches?
 - A. Enhanced heat dissipation
 - B. Increased clutch torque capacity
 - C. Reduced clutch pedal effort
 - D. Smoother gear shifts

6. How does a hydraulic clutch system operate?
 - A. It uses air pressure for clutch operation
 - B. It electrically controls the clutch engagement
 - C. It mechanically links the clutch pedal to the clutch assembly
 - D. It uses fluid pressure to engage and disengage the clutch

7. What is the purpose of the Marcel spring in a clutch disc?
 - A. To cushion the clutch engagement
 - B. To increase the friction surface area
 - C. To cool the clutch disc
 - D. To transmit engine torque

8. How does the clutch disc hub contribute to the clutch system?

- A. It holds the clutch disc in place
- B. It slides on the transmission input shaft
- C. It acts as a primary flywheel
- D. It absorbs engine vibrations

9. What is the impact of heat on nonmetallic clutch facings?

- A. Reduces the capacity to transmit torque
- B. Increases the coefficient of friction
- C. Enhances the wear resistance
- D. Improves the binding strength

10. What role does the pilot bearing play in a clutch system?

- A. To engage and disengage the clutch
- B. To support the front of the transmission input shaft
- C. To connect the clutch disc to the flywheel
- D. To absorb heat generated during clutch operation

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Chapter 3

Multiple Choice Quiz B

Answer Key

1. C

2. D

3. A

4. A

5. B

6. D

7. A

8. B

9. A

10. B