

Name _____

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

- 1) The pressure regulator valve _____. 1) _____
 - A) Directs flow in the valve body
 - B) Regulates flow to match the driving conditions
 - C) Regulates pressure to match transmission requirements
 - D) Controls the pump speed

- 2) Fluid pressure is controlled by _____. 2) _____
 - A) Pressure control valve
 - B) TCM
 - C) PCM
 - D) Any of the above terms, depending on application

- 3) Positive displacement pumps _____. 3) _____
 - A) Maintain a constant pressure
 - B) Move a constant volume of fluid
 - C) Vary the flow with rpm
 - D) Vary the flow with gear changes

- 4) If a hydraulic pressure of 100 psi is applied to a 10–square inch output piston, the resulting output force is _____. 4) _____
 - A) 100 lb
 - B) 10 lb
 - C) 1,000 lb
 - D) 10,000 lb

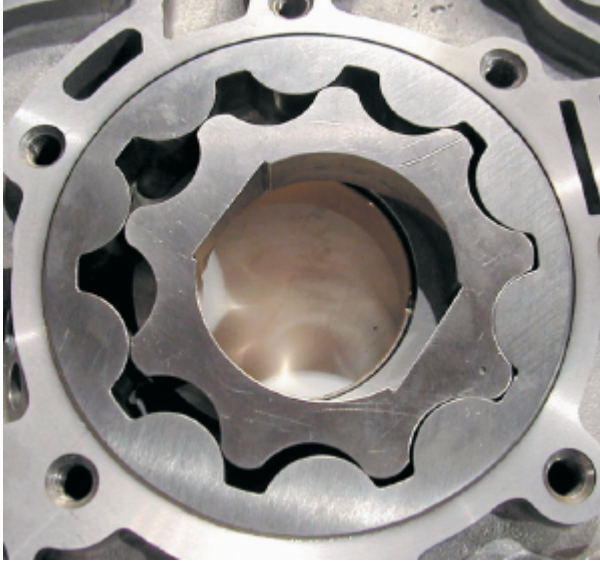
- 5) Using a spool valve to control fluid flow, where is the fluid blocked? 5) _____
 - A) At the lands
 - B) At the grooves
 - C) At the valleys
 - D) At the spool

- 6) Fluid pressure is measured in what unit? 6) _____
 - A) Pounds
 - B) Pounds per square inch (PSI)
 - C) Newtons
 - D) Inches

- 7) If pressure is uniform in a hydraulic system, then a large output piston will develop _____ output force than a small output piston. 7) _____
 - A) Less
 - B) More
 - C) Equal
 - D) It depends on what type of fluid is used.

8) The picture shows what type of pump?

8) _____



- A) Gear pump
- B) Vane pump
- C) Gerotor pump
- D) None of these

9) Fluid under pressure can be used to transmit motion and force because _____.

9) _____

- A) Fluids cannot be compressed
- B) Fluid conforms to the shape of its container
- C) Fluids under pressure will apply pressure equally in all directions
- D) All of these

10) The term _____ refers to fluid flow back to the pan to empty or drain a circuit.

10) _____

- A) Discharge
- B) Exhaust
- C) Pressure drop
- D) Dump

Answer Key

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1) C

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2) D

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3) C

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4) C

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5) A

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6) B

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7) B

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8) C

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9) D

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10) B

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