

Name _____

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

- 1) Series wound electric motors _____. 1) _____
A) produce electrical power
B) produce maximum power at 0 RPM
C) produce maximum power at high RPM
D) use a shunt coil
- 2) On computer-controlled starting, some key-operated ignition systems and most push-button-to-start systems use the computer to crank the engine. The ignition switch start position or the push-to-start button is used as a(n) _____ signal to the powertrain control module (PCM). 2) _____
A) output
B) control
C) input
D) relay
- 3) Normal cranking speed of an engine is about _____. 3) _____
A) 2,000 RPM
B) 1,500 RPM
C) 1,000 RPM
D) 200 RPM
- 4) Permanent magnets are normally used for what part of the starter? 4) _____
A) The armature
B) The solenoid
C) The field coils
D) The commutator
- 5) The neutral safety switch is located _____. 5) _____
A) between the starter solenoid and the starter motor
B) inside the ignition switch itself
C) between the ignition switch and the starter solenoid
D) in the battery cable between the battery and the starter solenoid
- 6) Which starting system component uses a small amount of current to control a large amount of current? 6) _____
A) Starter solenoid or relay
B) Starter brushes
C) Starter drive
D) Neutral safety switch

- 7) What unit contains a hold-in winding and a pull-in winding? 7) _____
A) The field coil
B) The starter solenoid
C) The armature
D) The ignition switch
- 8) The engine will not start if _____. 8) _____
A) the gear selector is in "D"
B) the gear selector is in "R"
C) the gear selector is in "L"
D) Any of the above
- 9) The instant the ignition switch is turned to the start position, _____. 9) _____
A) the starter motor starts to rotate before energizing the starter pinion gear
B) the hold in winding is energized
C) the pull in winding is energized
D) both the pull in winding and the hold in winding are energized
- 10) Which safety device is used on vehicles with manual transmissions? 10) _____
A) Clutch safety switch
B) Neutral safety switch
C) Both A and B
D) Neither A nor B

Answer Key

Testname: AEEP8_17B

1) B

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2) C

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3) D

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4) C

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5) C

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6) A

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7) B

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8) D

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9) D

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10) A

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