

Name _____

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

- 1) When conducting a parasitic drain test, which reading below indicates too much drain? 1) _____
A) 100 mA
B) 5 mA
C) 25 mA
D) 10.2 mA

- 2) Technician A says that the battery must be in good condition and at least 75% charged to accurately test an alternator. Technician B says that alternator output should be tested at idle. Which technician is correct? 2) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 3) A voltage drop test is being performed on the alternator positive circuit. The red lead of the multimeter is placed on the alternator output post. Where is the black lead of the multimeter connected? 3) _____
A) To the battery positive post
B) To the battery negative post
C) To the generator housing
D) To the engine block

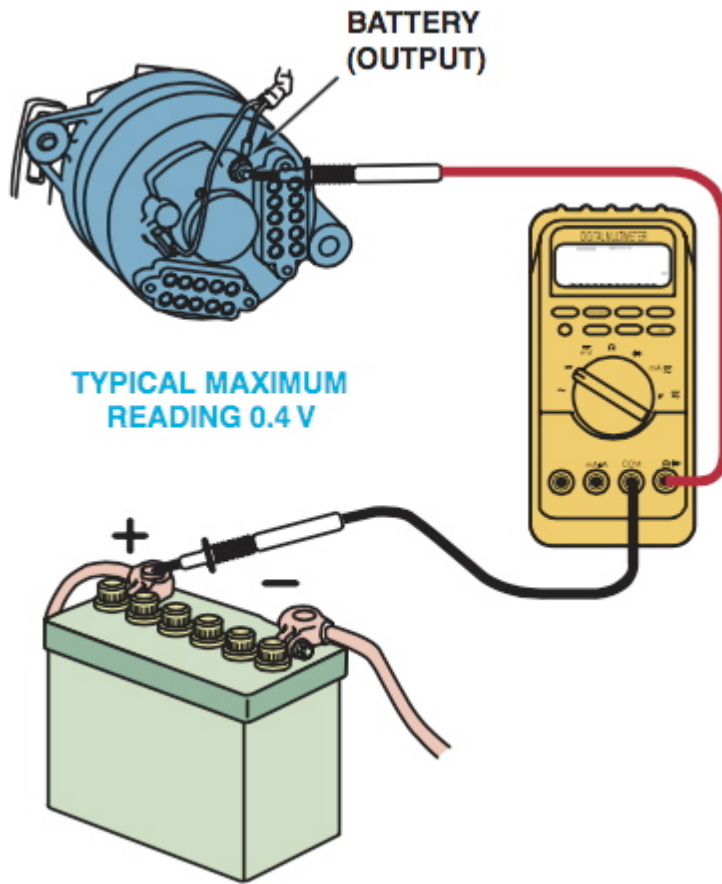
- 4) A technician is watching the battery voltage during cranking using a scan tool. What would be a normal reading? 4) _____
A) 12 to 13 volts
B) 10.5 to 11.5 volts
C) 13.5 to 15.0 volts
D) Less than 9.6 volts

- 5) The maximum acceptable AC ripple voltage is _____. 5) _____
A) 0.010 V (10mV)
B) 0.050 V (50mV)
C) 0.100 V (100mV)
D) 0.400 V (400mV)

- 6) Normal battery drain (parasitic drain) with a vehicle with many computer and electronic circuits is _____. 6) _____
A) 20 to 30 milliamperes
B) 2 to 3 milliamperes
C) 150 to 300 milliamperes
D) None of the above

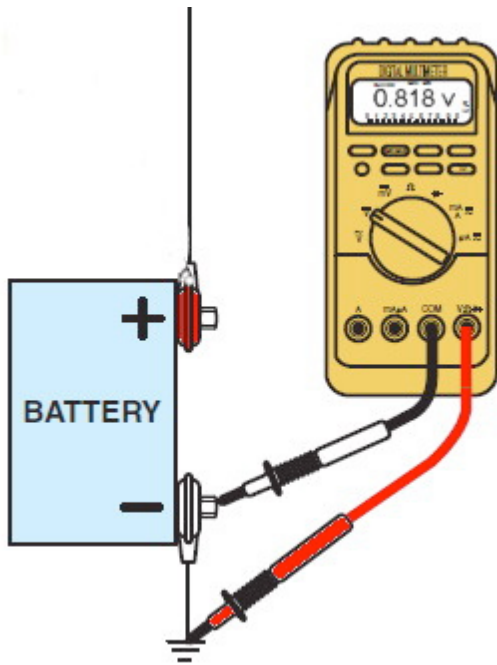
7) What test is being performed in this illustration (engine running)?

7) _____



- A) Alternator output voltage drop test
- B) Charging current test
- C) Alternator ground circuit test
- D) Battery voltage test

8) This voltage reading was obtained while cranking the engine. The indicated reading (0.816 V) is _____.



- A) Too high
- B) Too low
- C) An inconclusive measurement
- D) Incorrectly done

9) When jump starting, _____.

- A) The last connection should be to the positive post of the dead battery
- B) The last connection should be to the engine block of the dead vehicle
- C) The generator must be disconnected on both vehicles
- D) Both B and C

10) Reserve capacity is the number of minutes a battery can produce _____ amps while maintaining at least 10.5 volts.

- A) 25
- B) 10
- C) 20
- D) 30

Answer Key

Testname: ENGINEPERF5_15A

- 1) A
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- 2) A
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- 3) A
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- 4) B
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- 5) D
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- 6) A
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- 7) A
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- 8) A
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- 9) B
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- 10) A
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