

Name \_\_\_\_\_

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

- 1) Cold cranking amps refers to the current a battery produce while sustaining 7.2 volts at what temperature? 1) \_\_\_\_\_  
A) 72° F  
B) 0° F  
C) 32° F  
D) -10° F
- 2) When jump starting, \_\_\_\_\_. 2) \_\_\_\_\_  
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 alternator must be disconnected on both vehicles  
D) Both A and C
- 3) 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? 3) \_\_\_\_\_  
A) Technician A  
B) Technician B  
C) Both Technicians A and B  
D) Neither Technician A nor B
- 4) Which battery rating is used most often when testing a battery to see if it is performing normally? 4) \_\_\_\_\_  
A) Reserve capacity  
B) CA  
C) CCA  
D) MCA
- 5) To check charging system voltage, connect a digital multimeter (DMM) to the positive (+) and negative (-) terminals of the battery and select \_\_\_\_\_. 5) \_\_\_\_\_  
A) AC volts  
B) DC amps  
C) AC amps  
D) DC volts
- 6) Starters rotate the engine by a \_\_\_\_\_. 6) \_\_\_\_\_  
A) Drive belt  
B) Shaft from the engine crankshaft  
C) Gear  
D) Chain

- 7) An acceptable charging circuit voltage on a 12 volt system is \_\_\_\_\_. 7) \_\_\_\_\_
- A) 13.5 to 15 volts
  - B) 12 to 14 volts
  - C) 12.6 to 15.6 volts
  - D) 14.9 to 16.1 volts
- 8) Technician A says that charging system testing requires that the battery be at least 75% charged. Technician B says that a digital multimeter can not be used to test charging system voltage. Who is right? 8) \_\_\_\_\_
- A) A only
  - B) B only
  - C) Both A and B
  - D) Neither A nor B
- 9) When performing a battery load test, how many seconds should the load be applied? 9) \_\_\_\_\_
- A) 15
  - B) 5
  - C) 60
  - D) 10
- 10) Reserve capacity is the number of minutes a battery can produce \_\_\_\_\_ amps while maintaining at least 10.5 volts. 10) \_\_\_\_\_
- A) 20
  - B) 30
  - C) 25
  - D) 10

## Answer Key

Testname: INTRO\_23B

1) B

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2) B

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3) A

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4) C

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5) D

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6) C

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7) A

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8) A

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9) A

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10) C

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