**CDX Distance Learning**

**Exercise #10**

**Battery Load Test**

**Student Name:** Click or tap here to enter text.

Click or tap the check box next to the answer choice that best completes the statement or answers the question. Viewing the animations will be required to answer the following question(s) correctly. Read the question and use the link provided in each section to open the animation. Follow the directions in the questions and select the correct answer. When complete, close the animation window and move on to the next question(s).

[**Battery Load Animation 1**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=1a71d17a-71b9-44c8-93e5-80c16dfc5e4e)

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| 1. What is the ambient temperature at which this battery is being tested?   |  |  |  | | --- | --- | --- | |  | a. | –18° C (0° F) | |  | b. | –1° C (30° F) | |  | c. | 10° C (50° F) | |  | d. | 21° C (70° F) | |

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| 2. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 110 A | |  | b. | 225 A | |  | c. | 550 A | |  | d. | 156 A | |

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| 3. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 2**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=8f18cdf0-a31a-4208-aec4-6bace03ad2a5)

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| 4. What is the ambient temperature at which this battery is being tested?   |  |  |  | | --- | --- | --- | |  | a. | –18° C (0° F) | |  | b. | –1° C (30° F) | |  | c. | 10° C (50° F) | |  | d. | 21° C (70° F) | |

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| 5. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 110 A | |  | b. | 275 A | |  | c. | 550 A | |  | d. | 156 A | |

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| 6. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 3**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=6ddc4c40-0001-423c-812e-70077aef824e)

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| 7. What is the ambient temperature at which this battery is being tested?   |  |  |  | | --- | --- | --- | |  | a. | –18° C (0° F) | |  | b. | –1° C (30° F) | |  | c. | 10° C (50° F) | |  | d. | 21° C (70° F) | |

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| 8. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 110 A | |  | b. | 156 A | |  | c. | 275 A | |  | d. | 550 A | |

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| 9. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 4**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=d67958ec-ab8c-493d-8b66-7c4365f1c326)

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| 10. What is the ambient temperature at which this battery is being tested?   |  |  |  | | --- | --- | --- | |  | a. | –18° C (0° F) | |  | b. | –1° C (30° F) | |  | c. | 10° C (50° F) | |  | d. | 21° C (70° F) | |

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| 11. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 110 A | |  | b. | 156 A | |  | c. | 275 A | |  | d. | 550 A | |

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| 12. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 5**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=3a7264ce-6166-4edf-bd7e-8a295a664112)

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| 13. What is the ambient temperature at which this battery is being tested?   |  |  |  | | --- | --- | --- | |  | a. | –18° C (0° F) | |  | b. | –1° C (30° F) | |  | c. | 10° C (50° F) | |  | d. | 21° C (70° F) | |

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| 14. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 100 A | |  | b. | 164 A | |  | c. | 280 A | |  | d. | 560 A | |

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| 15. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 6**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=cb9afe08-5cb7-4f90-84ce-390425772071)

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16. What is the ambient temperature at which this battery is being tested?   |  |  |  | | --- | --- | --- | |  | a. | –18° C (0° F) | |  | b. | –1° C (30° F) | |  | c. | 10° C (50° F) | |  | d. | 21° C (70° F) | |

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| 17. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 100 A | |  | b. | 164 A | |  | c. | 280 A | |  | d. | 560 A | |

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| 18. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 7**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=c60a86d4-1944-40da-a1b2-cb5c5be8f859)

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| 19. What is the ambient temperature at which this battery is being tested?   |  |  |  | | --- | --- | --- | |  | a. | –18° C (0° F) | |  | b. | –1° C (30° F) | |  | c. | 10° C (50° F) | |  | d. | 21° C (70° F) | |

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| 20. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 100 A | |  | b. | 164 A | |  | c. | 57 A | |  | d. | 280 A | |

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| --- | --- | --- | --- | --- | --- | --- |
| 21. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 8**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=96a2c2dd-13cf-4de6-b70f-4feeaf12b62d)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 22. What is the ambient temperature at which this battery is being tested?   |  |  |  | | --- | --- | --- | |  | a. | –18° C (0° F) | |  | b. | –1° C (30° F) | |  | c. | 10° C (50° F) | |  | d. | 21° C (70° F) | |

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| 23. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 100 A | |  | b. | 164 A | |  | c. | 280 A | |  | d. | 560 A | |

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| 24. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 9**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=b8e613fc-f3b2-4a5a-ad41-20643304c79a)

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25. What is the ambient temperature at which this battery is being tested?   |  |  |  | | --- | --- | --- | |  | a. | –18° C (0° F) | |  | b. | –1° C (30° F) | |  | c. | 10° C (50° F) | |  | d. | 21° C (70° F) | |

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| 26. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 240 A | |  | b. | 400 A | |  | c. | 155 A | |  | d. | 800 A | |

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| 27. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 10**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=0369e9f8-f9a3-4521-8180-7c3a603cbb49)

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| 28. What is the ambient temperature at which this battery is being tested?   |  |  |  | | --- | --- | --- | |  | a. | 21° C (70° F) | |  | b. | 10° C (50° F) | |  | c. | –1° C (30° F) | |  | d. | –18° C (0° F) | |

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| 29. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 12 A | |  | b. | 400 A | |  | c. | 155 A | |  | d. | 800 A | |

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| 30. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 11**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=27124992-a824-497e-b319-75d586a0a2b9)

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| 31. What is the ambient temperature at which this battery is being tested? |

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| --- | --- | --- |
|  | a. | 21° C (70° F) |
|  | b. | 10° C (50° F) |
|  | c. | –1° C (30° F) |
|  | d. | –18° C (0° F) |

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| 32. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 80 A | |  | b. | 155 A | |  | c. | 280 A | |  | d. | 400 A | |

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| 33. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 12**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=799fec81-8697-4eb6-a447-1c1817694da2)

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| 34. What is the ambient temperature at which this battery is being tested?   |  |  |  | | --- | --- | --- | |  | a. | –18° C (0° F) | |  | b. | –1° C (30° F) | |  | c. | 10° C (50° F) | |  | d. | 21° C (70° F) | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 200 A | |  | b. | 400 A | |  | c. | 600 A | |  | d. | 800 A | |

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| 36. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 13**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=a733d3d5-ab67-479a-9f4d-4444969c8b38)

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| 37. What is the ambient temperature at which this battery is being tested?   |  |  |  | | --- | --- | --- | |  | a. | 21° C (70° F) | |  | b. | 10° C (50° F) | |  | c. | –1° C (30° F) | |  | d. | –18° C (0° F) | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 38. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 12 V | |  | b. | 210 A | |  | c. | 118 Ah | |  | d. | 340 A | |

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| 39. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load** **Animation 14**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=7fb992ad-3e1b-4d66-92ed-31396efe1f0a)

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| --- |
| 40. What is the ambient temperature at which this battery is being tested? |

|  |  |  |
| --- | --- | --- |
|  | a. | 10° C (50° F) |
|  | b. | 21° C (70° F) |
|  | c. | –18° C (0° F) |
|  | d. | –1° C (30° F) |

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| 41. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 118 A | |  | b. | 210 A | |  | c. | 340 A | |  | d. | 356 A | |

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| --- | --- | --- | --- | --- | --- | --- |
| 42. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 15**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=3b091d4a-07b2-4f3d-9311-c2dd0fa565d6)

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| --- |
| 43. What is the ambient temperature at which this battery is being tested? |

|  |  |  |
| --- | --- | --- |
|  | a. | –18° C (0° F) |
|  | b. | –1° C (30° F) |
|  | c. | 10° C (50° F) |
|  | d. | 21° C (70° F) |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 44. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 680 A | |  | b. | 210 A | |  | c. | 340 A | |  | d. | 118 A | |

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| 45. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 16**](http://d2jw81rkebrcvk.cloudfront.net/assetscdx2/202003%20-%20COVID/Assessments/MS/ANIM/EE/EE_BattLoadTstAss16_C1/EE_BattLoadTstAss16_C1/EE_BattLoadTstAss16_C1.html)

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 46. What is the ambient temperature at which this battery is being tested?   |  |  |  | | --- | --- | --- | |  | a. | 21° C (70° F) | |  | b. | –1° C (30° F) | |  | c. | 10° C (50° F) | |  | d. | –18° C (0° F) | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 47. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 118 Ah | |  | b. | 118 A | |  | c. | 340 V | |  | d. | 340 A | |

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| --- | --- | --- | --- | --- | --- | --- |
| 48. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 17**](http://www.jblearning.com/navigate/filelookup.ashx?fileid=f6b78a6f-0b01-4066-9eac-e6784b091ad3)

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| 49. What is the ambient temperature at which this battery is being tested? |

|  |  |  |
| --- | --- | --- |
|  | a. | –18° C (0° F) |
|  | b. | –1° C (30° F) |
|  | c. | 10° C (50° F) |
|  | d. | 21° C (70° F) |

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| 50. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 680 A | |  | b. | 354 A | |  | c. | 210 A | |  | d. | 580 A | |

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| --- | --- | --- | --- | --- | --- | --- |
| 51. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |

[**Battery Load Animation 18**](http://d2jw81rkebrcvk.cloudfront.net/assetscdx2/202003%20-%20COVID/Assessments/MS/ANIM/EE/EE_BattLoadTstAss18_C1/EE_BattLoadTstAss18_C1/EE_BattLoadTstAss18_C1.html)

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| --- |
| 52. What is the ambient temperature at which this battery is being tested? |

|  |  |  |
| --- | --- | --- |
|  | a. | –18° C (0° F) |
|  | b. | –1° C (30° F) |
|  | c. | 10° C (50° F) |
|  | d. | 21° C (70° F) |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 53. What is the load applied to this battery for 15 seconds?   |  |  |  | | --- | --- | --- | |  | a. | 100 A | |  | b. | 280 A | |  | c. | 300 A | |  | d. | 560 A | |

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| --- | --- | --- | --- | --- | --- | --- |
| 54. Does this battery pass the load test?   |  |  |  | | --- | --- | --- | |  | a. | Yes | |  | b. | No | |