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| 1. The electrical system is generally considered to be the source of electrical energy.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *REFERENCES:* | 250.4 General Requirements for Grounding and Bonding | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 2/12/2020 11:16 AM | | *DATE MODIFIED:* | 2/12/2020 11:16 AM | |

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| 2. Bonding must be accomplished around conduit connections whenever the fault-current return path is suspect, as well as when specifically required by *NEC®*.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *REFERENCES:* | 250.4 General Requirements for Grounding and Bonding | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 2/12/2020 11:16 AM | | *DATE MODIFIED:* | 2/12/2020 11:16 AM | |

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| 3. Paint used on electrical enclosures functions as a conductor.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *REFERENCES:* | 250.12 Clean Surfaces | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 2/12/2020 11:16 AM | | *DATE MODIFIED:* | 2/14/2020 3:02 PM | |

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| 4. The \_\_\_\_ of an article tells us what is contained in an article.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | definitions | b. | scope | |  | c. | requirements | d. | discussion |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | Introduction | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 2/12/2020 11:16 AM | | *DATE MODIFIED:* | 2/12/2020 11:16 AM | |

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| 5. Electrical systems that are \_\_\_\_ must be connected to the earth in a way that will (1) limit the voltage imposed by lightning, line surges, or unintentional contact with higher-voltage lines and (2) stabilize the voltage of the system to the earth during normal operations.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | cycled | b. | shunted | |  | c. | grounded | d. | bonded |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 250.4 General Requirements for Grounding and Bonding | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 2/12/2020 11:16 AM | | *DATE MODIFIED:* | 2/14/2020 3:03 PM | |

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| 6. The purpose of connecting non-current-carrying conductive materials to earth is to limit the \_\_\_\_ on these materials.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | interference | b. | maximum amperage | |  | c. | resistivity | d. | voltage to ground |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *REFERENCES:* | 250.4 General Requirements for Grounding and Bonding | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 2/12/2020 11:16 AM | | *DATE MODIFIED:* | 2/14/2020 3:04 PM | |

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| 7. In its simplest form, \_\_\_\_ completes a path through which fault current can flow.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | bonding | b. | grounding | |  | c. | bending | d. | shunting |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *REFERENCES:* | 250.4 General Requirements for Grounding and Bonding | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 2/12/2020 11:16 AM | | *DATE MODIFIED:* | 2/12/2020 11:16 AM | |

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| 8. \_\_\_\_ current occurs when the system neutral is grounded improperly downstream from the service equipment.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Positive | b. | Negative | |  | c. | Phased | d. | Objectionable |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *REFERENCES:* | 250.6 Objectionable Current | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 2/12/2020 11:16 AM | | *DATE MODIFIED:* | 2/12/2020 11:16 AM | |

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| 9. The *NEC®* is generally written in “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ style,” stating how an installation must be made, rather than “performance style,” stating general goals to be achieved.   |  |  | | --- | --- | | *ANSWER:* | prescriptive | | *POINTS:* | 1 | | *REFERENCES:* | 250.4 General Requirements for Grounding and Bonding | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *STUDENT ENTRY MODE:* | Basic | | *DATE CREATED:* | 2/12/2020 11:16 AM | | *DATE MODIFIED:* | 2/12/2020 11:16 AM | |

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| 10. Some manufacturers of data processing equipment refer to a conduit or branch-circuit as a(n) “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,” because of the electrical interference or noise that travels on this path.   |  |  | | --- | --- | | *ANSWER:* | dirty ground | | *POINTS:* | 1 | | *REFERENCES:* | 250.6 Objectionable Current | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *STUDENT ENTRY MODE:* | Basic | | *DATE CREATED:* | 2/12/2020 11:16 AM | | *DATE MODIFIED:* | 2/14/2020 3:04 PM | |