

Name _____

[/test-bank-electrical-grounding-and-bonding-6e-simmons](#)

Class _____

Date _____

: _____ : _____ e: _____

Unit 1: General

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

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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

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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

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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

Unit 1: General

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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
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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
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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
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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

Name _____ Class _____ Date: _____

Unit 1: General

REFERENCES: 250.6 Objectionable Current
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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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
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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
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