

Name _____

~~/test-bank-illustrated-guide-to-the-national-electrical-code-8e-miller~~

Class _____

Date _____

: _____ : _____ e: _____

Unit 02: Definitions

1. Wiring components are considered accessible when (1) access can be gained without damaging the structure or finish of the building or (2) they are ____.

- a. not permanently closed in by the structure or finish of the building
- b. included as necessary components of the wiring diagram
- c. removable with minimal destruction to surrounding infrastructure
- d. wired to a luminaire that is accessible

ANSWER:

a

POINTS:

1

REFERENCES:

Definitions

QUESTION TYPE:

Multiple Choice

HAS VARIABLES:

False

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2. Overcurrent devices do not have to be readily accessible if ____.

- a. located within a grounded junction box
- b. the disconnecting means is readily accessible
- c. the total load of the adjacent circuit does not exceed local standards
- d. located adjacent to the equipment where access is achieved by the use of portable means

ANSWER:

d

POINTS:

1

REFERENCES:

Definitions

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Multiple Choice

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False

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3. Ready access to wiring in luminaires is ____.

- a. required in all cases
- b. required when a building is considered "public"
- c. not required
- d. not required if there is a junction box nearby

ANSWER:

c

POINTS:

1

REFERENCES:

Definitions

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Multiple Choice

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False

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4. An attachment plug establishes connection between ____.

- a. conductors of the attached flexible cord and the conductors permanently connected to the receptacle

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- b. conductors of the attached flexible cord and a suitable ground
- c. junction box and a suitable ground
- d. junction box and the attached flexible cord

ANSWER: a
POINTS: 1
REFERENCES: Definitions
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5. When metal parts are required to be electrically connected, a(n) _____ is installed, thereby guaranteeing the required electrical conductivity.

- a. suitable ground (equipment ground)
- b. fusible link
- c. appliance branch
- d. reliable conductor (bonding jumper)

ANSWER: d
POINTS: 1
REFERENCES: Definitions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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6. A(n) _____ is a device intended to provide protection from the effects of arc faults by recognizing characteristics unique to arcing.

- a. circuit interruptor (CI)
- b. arc-fault circuit interruptor (AFCI)
- c. grounded circuit interruptor (GCI)
- d. diagnostic arc-fault interruptor (DACI)

ANSWER: b
POINTS: 1
REFERENCES: Definitions
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7. An appliance branch circuit supplies energy to one or more outlets for the purpose of _____.

- a. connecting appliance(s)
- b. distributing load
- c. connecting circuit branches
- d. providing a ground

ANSWER: a
POINTS: 1

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8. A multiwire circuit must consist of conductors connected to ____.
- a. different branches
 - b. different phases
 - c. the same phases
 - d. the same branch

ANSWER: b
POINTS: 1
REFERENCES: Definitions
QUESTION TYPE: Multiple Choice
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9. All conductors of a multiwire branch circuit must originate from ____.
- a. the same common branch
 - b. the same junction box
 - c. separate panelboards
 - d. the same panelboard or similar distribution equipment

ANSWER: d
POINTS: 1
REFERENCES: Definitions
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10. Conductors in concealed raceways, even though they may become accessible by withdrawing them, are still considered ____.
- a. concealed
 - b. inaccessible
 - c. grounded
 - d. distributed

ANSWER: a
POINTS: 1
REFERENCES: Definitions
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11. A load having the maximum level of current sustained for three hours or more is referred to as a ____ load.

- a. contiguous
- b. distributed
- c. continuous
- d. maximized

ANSWER:

c

POINTS:

1

REFERENCES:

Definitions

QUESTION TYPE:

Multiple Choice

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12. "Equipment" is a general term, including fittings, devices, appliances, luminaires, apparatus, machinery, etc. used ____ in an electrical installation.

- a. exclusively
- b. directly or indirectly
- c. only indirectly
- d. sporadically

ANSWER:

b

POINTS:

1

REFERENCES:

Definitions

QUESTION TYPE:

Multiple Choice

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13. ____ wire, together with strain insulators, is used to support conductors in all spans exceeding 40 ft (12 m) in length.

- a. Overhead
- b. Outdoor
- c. Messenger
- d. Medial

ANSWER:

c

POINTS:

1

REFERENCES:

Definitions

QUESTION TYPE:

Multiple Choice

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14. A(n) ____ is an accessory, such as a locknut or bushing, whose function is primarily mechanical, rather than electrical, in nature.

- a. ancillary
- b. fitting
- c. offshoot
- d. conductor

ANSWER:

b

POINTS:

1

REFERENCES:

Definitions

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Multiple Choice

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15. A grounding electrode is a(n) ____ object that establishes a direct connection to earth.
- a. conducting
 - b. nonconducting
 - c. insulating
 - d. semi-conducting

ANSWER: a
POINTS: 1
REFERENCES: Definitions
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16. A feeder consists of all circuit conductors located ____.
- a. within a panel board or junction box
 - b. within the main branch line and the overcurrent device
 - c. between the service equipment, the source of separately derived system, or other power supply source and the final branch-circuit overcurrent device
 - d. inside the point of demarcation

ANSWER: c
POINTS: 1
REFERENCES: Definitions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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17. Grounded (grounding) is defined as being ____.
- a. connected to ground or to a conductive body that extends the ground connection
 - b. located along a circuit that includes a panel board
 - c. connected to a bonded locknut
 - d. located adjacent to the main bonding jumper

ANSWER: a
POINTS: 1
REFERENCES: Definitions
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18. A neutral conductor is defined as the conductor connected to the _____ that is intended to carry current under normal conditions.

- a. main junction box
- b. neutral point of a system
- c. central branch ground
- d. main bonding junction

ANSWER:

b

POINTS:

1

REFERENCES:

Definitions

QUESTION TYPE:

Multiple Choice

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False

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19. The neutral point is the common point on a _____ in a polyphase system.

- a. bye-connection
- b. branch circuit
- c. wye-connection
- d. delta circuit

ANSWER:

c

POINTS:

1

REFERENCES:

Definitions

QUESTION TYPE:

Multiple Choice

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20. Panelboards having doors or covers are considered _____.

- a. accessible
- b. inaccessible
- c. grounded
- d. guarded

ANSWER:

d

POINTS:

1

REFERENCES:

Definitions

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Multiple Choice

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21. A point in a wiring system from which current is taken to supply utilization equipment is known as a(n) _____.

- a. outlet
- b. supply circuit
- c. cross-over
- d. inlet

ANSWER:

a

POINTS:

1

REFERENCES:

Definitions

QUESTION TYPE:

Multiple Choice

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False

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22. A contact device installed at an outlet for the connection of an attachment plug is a(n) ____.

- a. jump-off
- b. outlet contact
- c. ground
- d. receptacle

ANSWER: d

POINTS: 1

REFERENCES: Definitions

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23. A separately derived system is an electrical source, other than a service, having ____ connection(s) to circuit conductors of any other electrical source other than those established by grounding and bonding connections.

- a. multiple
- b. direct
- c. no direct
- d. complete

ANSWER: c

POINTS: 1

REFERENCES: Definitions

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24. A service point can be described as the point of demarcation between where the ____ ends and the premises wiring begins.

- a. nearest accessible junction box
- b. serving utility
- c. junction panel
- d. ground circuit

ANSWER: b

POINTS: 1

REFERENCES: Definitions

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25. The ____ is the organization, office, or individual responsible for enforcing the requirements of a code.

- a. AHJ
- b. AEC
- c. EEC
- d. AEJ

ANSWER: a

POINTS: 1

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Definitions

Multiple Choice

False

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