

# Random Order

## [210.21 through 430.81]

### Practice Quiz 6— Random Order [210.21 through 430.81]



Please use the 2011 *Code* book to answer the following questions, which are based on the 2011 *NEC*.

- The combined area of all conductors installed at any point of an underfloor raceway shall not exceed \_\_\_\_\_ percent of the internal cross-sectional area.
  - 0
  - 40
  - 60
  - 75
- The branch-circuit protective device can serve as the controller for a stationary motor rated at \_\_\_\_\_ or less that is normally left running and cannot be damaged by overload or failure to start.
  - $\frac{1}{8}$  hp
  - $\frac{1}{4}$  hp
  - $\frac{3}{8}$  hp
  - $\frac{1}{2}$  hp
- A recessed luminaire not identified for contact with insulation shall have all recessed parts spaced not less than \_\_\_\_\_ from combustible materials, except for points of support.
  - $\frac{1}{4}$  in.
  - $\frac{1}{2}$  in.
  - $1\frac{1}{4}$  in.
  - 6 in.
- The radius of the inner edge of any bend in Type MI cable shall not be less than five times the external diameter of the metallic sheath for cable not more than \_\_\_\_\_ in external diameter.
  - $\frac{1}{2}$  in.
  - $\frac{5}{8}$  in.
  - $\frac{3}{4}$  in.
  - $1\frac{1}{2}$  in.
- Thermal insulation shall not be installed above or within \_\_\_\_\_ of the recessed luminaires' enclosure, wiring compartment, ballast, transformer, LED driver, or power supply unless it is a Type IC luminaire.
  - $\frac{1}{2}$  in.
  - 3 in.
  - 6 in.
  - 12 in.
- HDPE conduit shall be permitted only in trade sizes \_\_\_\_\_.
  - $\frac{3}{4}$  to 4
  - $\frac{1}{2}$  to 6
  - 1 to 5
  - 1 to 3
- What size copper grounding electrode conductor is required for a service that has three sets of 600 kcmil copper conductors per phase?
  - 1 AWG
  - 1/0 AWG
  - 2/0 AWG
  - 3/0 AWG
- Branch-circuit conductors within \_\_\_\_\_ of a ballast shall have an insulation temperature rating not lower than 90°C (194°F).
  - 1 in.
  - 3 in.
  - 6 in.
  - 8 in.
- The load for electric clothes dryers in a dwelling unit shall be \_\_\_\_\_ watts or the nameplate rating, whichever is larger, per dryer.
  - 1,500
  - 4,500
  - 5,000
  - 8,000