

Code – Questions #5

Provide Codes and Table references (if applicable) to verify your answers.

1. Do all joints and splices have to be accessible after construction is complete?
2. What is the maximum allowable ampacity of a 10/2 NMD90 copper cable?
3. Define the term 'concealed'.
4. Do circuit breakers have to be of the trip free type?
5. Is it permissible to connect a 15 amp receptacle on a branch circuit protected by a 20 amp overcurrent device?
6. Is it allowed to install a flexible cord through holes in a stud wall for a permanent installation?
7. If a neutral conductor carries only the unbalanced current of a 120/240V 3 wire circuit, shall it be counted when determining ampacity derating as per code?
8. If two conductors with different temperature ratings are run in the same raceway, which ampacity should be used for calculation purposes?
9. Shall plug fuses be of the type and so installed that they are non-interchangeable with a fuse of a larger rating?

10. Is it necessary to seal openings around a conduit or cable that has pierced a fire separation?

11. What is the maximum number of conductors that can be installed in EMT?

12. What is the largest solid conductor that may be pulled into a raceway?

13. Can wood be used as an anchor into masonry or concrete for the support of electrical equipment?

14. If you are using the water system of a house for your ground connection point, where must the connection be?

15. How do you protect conductors exiting a raceway?

16. Can thermal installation material be sprayed into the interior of outlet boxes?

17. Conductors used for wiring capacitors shall have what percent of full load ampacity?

18. What is the minimum radius of bend allowed for armoured cable?

19. IF you are installing 27mm EMT, how far apart should your supports be?

20. What is the smallest size of copper equipment wire that can be used of luminaire wiring?

21. Which flexible cord is designed for household dryer and range use?

22. If a motor does not have a marked service factor, how should the overloads be set?

23. Can a green coloured conductor sometimes be used as a circuit conductor?

24. When using manufactured rod grounding electrodes as your grounding electrode, how many are required and how far shall they be spaced apart?

25. What is the maximum capacity in amps and volts for a standard cartridge fuse?

26. Give three pieces of information that must be found on the nameplate of a transformer.

27. What height of fence must be installed around live electrical equipment?

28. Conductors supplying a single motor for use on continuous duty shall have what ampacity?

29. Shall the nameplates and parts requiring maintenance be accessible after the installation of a piece of electrical equipment is complete?

30. Is it permissible to install a GFCI receptacle within 1.5 m of the inside walls of a pool?