Communication Systems Info Section

1. Why are symbols used (graphical representation) for communication systems?

2. Where would you look to double check the designation of a symbol?

3. What do subscript letters indicate on Special Auxiliary Outlets?

4. What is indicated by a line with no other designation on a communication system drawing?

5. How is remote control wiring distinguished from regular wiring on a drawing?

6. What is the difference between heat-resistant wire and fire-resistant wire?

7. What two pieces of information should be added to a breaker symbol?

8. Which component of a communication system is indicated by a circle with a “J” in it?

9. What is a “back box”?

10. Where are vestibule units typically located?

11. What are some options for vestibule panels when ordering?

12. What two options are often part of the apartment station?

13. What is the minimum number of wires for an apartment intercom connection? (No music or emergency)

14. How is a door unlocked for visitors when using the telephone-type apartment station?

15. What are the two types of electric door strikes?

16. What is the minimum number of conductors required for a door answering system?

17. What are some features found on residential voice communication systems?

18. What is the most common type of communication system for residential use?

19. What distance must be maintained between communication conductors and house power lines below 300V? What does this material state and what does the CEC state?
20. Why are speakers for separate rooms not mounted back to back in a common wall when installing a communication system?

21. What are some advantages of a video residential intercom system?

22. What precautions should be taken when installing a door station for a video residential intercom system?

23. List some areas where video intercom systems can be utilized?

24. Will the TV image and the voice signal switch off at the same time with a video intercom system?

25. What is the maximum distance for Coaxial cable RG59/U-75 cable before a video amplifier is required?

26. How is the electric door strike unlocked from a telephone-type station in an intercom system?

27. What are the basic components of a nurses call system?

28. To operate a master station in a nurses call system, you will need some computer experience. True or False?

29. What are the two most common types of operation for emergency stations installed in washrooms and bath areas?

30. What is the purpose of door alarm stations?

31. What is the purpose of corridor lights connected to a nurses call system?

32. What is the purpose of a vacancy module in an annunciator panel?

33. What are some uses of the paging feature for a communication system?

34. What is the purpose of a zone-control module in a paging system?

35. What are “access modules” typically used for in a communication system?

36. How are paging systems typically accessed from a telephone system?

37. What are some results of mismatching speakers in a communication system?

38. What is the result of polarity reversal in a speaker for a communication system?
39. Microphone cords are unaffected by other conductors so they can be run close to them. True or False?

40. What is the impedance of a balanced microphone plug or amplifier input terminal? Unbalanced?

41. What is the result of connecting a magnetic-type phonograph to an amplifier terminal for a ceramic-type?

42. What is the result of connecting a ceramic-type phonograph to an amplifier terminal for a magnetic-type?

43. After a communication system is installed and ready to go, what are some double checks that should be made before actually operating the system?

44. What is the most likely cause of oscillation in a communication voice system?