Unit 25 Electrical Wiring Residential

1. What are the first two concerns when selecting a generator for your home?
2. What is the name given to the typical job site generator for temporary power?
3. What is the main disadvantage of Backup power?
4. What is the advantage of standby home generators?
5. What names are given to the separate panelboard?
6. What are the two locations for the transfer switch?
7. What prevents a feedback of electricity between the generator panel and the utility power?
8. Is it necessary for a transfer switch to break the ungrounded conductor?
9. When connecting a generator after a power interruption what is the proper time to throw the transfer switch?
10. Is the neutral bus of a critical load panel connected to the enclosure?
11. What are the qualifications for UL Engine Generators for Portable Use?
12. Is it necessary for the transfer switch to break the equipment bonding conductor when a building wiring system is supplied by a portable generator?
13. What is required on a “Separately Derived System” according to the NEC?
14. What is required for true “Standby Power”?
15. What types of fuel are typically used for permanently installed generators?
16. How is power switched over to the generator when supply power fails on a permanently installed system?
17. Is the neutral bonding jumper permitted on a portable generator?
18. Is the neutral bonding jumper permitted on a permanently installed generator?
19. How often should an emergency power supply generator be “Exercised”? (Rule 46-102(1))
20. When does a transfer switch need to be rated as suitable for use as service equipment?

21. What is the term used to describe the fact that a switch will disconnect one set of contacts before closing a second one?

22. If automatic transfer equipment is used with a standby system and it is not capable of supplying the full load, what is one option?

23. What is the main purpose in having the disconnecting means for the standby power located near the main service disconnect?

24. Which type of transfer switch will permit the user to determine which loads are supplied by the generator? (Not necessarily everything connected in the panel)

25. Are generators typically capable of handling an initial surge above their rated wattage?

26. Is a permit required for the installation of generator panel and inlet for a connection to a portable generator?