

TC-4

D-Prep

Homework

Mr. Olson

Multiple Choice*Identify the choice that best completes the statement or answers the question.*

- _____ 1. **NFPA-70 2017 (NEC) ARTICLE 100**
A continuous load is when the maximum current is expected to continue for at least how many hours?
a. 2 b. 3 c. 4 d. 6
- _____ 2. **NFPA-70 2017 (NEC) 760.179 (B)**
What is the minimum size conductor for use in a listed multiconductor cable in a power-limited fire alarm circuit within buildings?
a. #26 b. #24 c. #18 d. #16
- _____ 3. **NFPA-72 (2013) 17.12.1**
A fire sprinkler water flow switch, when actuated, will produce a(n) _____ signal.
a. trouble b. alarm c. supervisory d. pre-alarm
- _____ 4. **NFPA-70 2017 (NEC) 300.4 (A) (1)**
Cables run through bored holes in wood members of building shall be kept at least how far from the nearest edge?
a. 1" b. 1 1/2 " c. 1 1/4" d. 2"
- _____ 5. **NFPA-70 2017 (NEC) 348.30 (A)**
Flexible metal conduit shall be supported at intervals not exceeding
a. 3 feet b. 4 1/2 feet c. 6 feet d. 10 feet
- _____ 6. **NFPA-72 (2013) 17.14.8.1**
A manual fire alarm box (A.K.A. pull station), when actuated, will produce a(n) _____ signal.
a. trouble b. supervisory c. alarm d. guard's tour
- _____ 7. **NFPA-70 2017 (NEC) 695.3(A) (1)**
A fire pump is Required on a industrial building. The pump must be connected
a. ahead of the main service disconnect c. in parallel on the load side of the main service disconnect
b. with the main service diconnect as the feed d. to a separate circuit breaker in the main distribution panel
- _____ 8. **NFPA-70 2017 (NEC) 760.179 (D)**
Power-limited fire protection signaling circuit cables installed in a duct used for environmental air must be of what type?
a. FPLP b. NPLFP c. THHN d. TW
- _____ 9. **NFPA-72 (2013) 10.15.1**
Upon detection of a trouble condition, fire alarm system controls must initiate a trouble signal within _____ seconds.
a. 100 b. 150 c. 200 d. 300

10. **NFPA-70 2017 (NEC) 820.179 (B)**
A three-story apartment building is being retrofitted. CATV cables will be in vertical runs going floor to floor. What cable type is required?
a. CATVP b. CATVR c. CATV d. CATX
11. **GOOGLE**
A rectifier converts?
a. AC to DC c. Millivolts to Voltage
b. Voltage to Amperage d. AC to Horsepower
12. **NFPA-70 2017 (NEC) 800.133(A) (2)**
Inside a building, communication conductors shall be separated from open conductors of power circuits by at least
a. 1 inch b. 2 inch c. 6 inches d. 8 inches
13. **NFPA-72 (2013) 14.4.3.2 (17) (g) (1)**
In accordance with NFPA 72, what is the only approved way to test a smoke detector?
a. aerosol spray c. magnet
b. smoke d. manufacturers recommended method
14. **NFPA-70 2017 (NEC) ARTICLE 100**
Ampacity is the current in amperes a conductor can carry continuously under the conditions of use without exceeding its
a. temperature rating c. ampacity rating
b. voltage rating d. continuous load rating
15. **NFPA-101 (google)**
A high-rise is generally a building that is more than _____ feet from the lowest level of fire department access to the highest level of occupancy.
a. 50 b. 75 c. 100 d. 125
16. **NFPA-70 2017 (NEC) 314.20**
How shall outlet boxes and fittings be mounted on the finished surface of walls constructed of combustible material?
a. flush c. on and supported by
b. recessed in d. set back 1/4 inch from
17. **NFPA-72 (2013) 29.8.2.2 (2)**
Residential code states the maximum number of unmonitored smoke alarms that can be interconnected is _____.
a. 5 b. 10 c. 12 d. 16
18. **NFPA-70 2017 (NEC) 760.43**
For a Non-Power limited Fire Alarm Circuits, what is the maximum overcurrent protection for 16 AWG conductors?
a. 12 Amps b. 10 Amps c. 15 Amps d. 7 Amps