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Continuing Education Course #601
NETA Acceptance Testing Specifications
Part I

1. How often should one expect updates to NETA ATS?
 - a. 1 year
 - b. 2 years
 - c. 3 years
 - d. 4 years
2. Where are electrical tests mentioned in paragraph B specifications provided?
 - a. Paragraph A
 - b. Paragraph B
 - c. Paragraph C
 - d. Paragraph D
3. Qualified testing technicians should be Level _____ or higher.
 - a. 2
 - b. 3
 - c. 4
 - d. 5
4. Test equipment should be calibrated within how many months of the testing date?
 - a. 6
 - b. 12
 - c. 24
 - d. Per Manufacturer
5. What does a yellow test decal indicate?
 - a. acceptable for use
 - b. use with caution
 - c. minor deficiency
 - d. do not use
6. What marking is used to indicate optional tests?
 - a. *
 - b. **
 - c. !
 - d. opt
7. Resistance on similar bolted connection should be investigated if they deviate by more than _____ percent from the _____ value measured.

- a. 10 / median
- b. 15 / average
- c. 50 / lowest
- d. 50 / highest

8. Insulation resistance checks on switchgear for systems operating at <600 V pass if the resistance is what minimum value?

- a. 1 MΩ
- b. 10 MΩ
- c. 100 MΩ
- d. 1000 MΩ

9. What is the passing criteria for Dielectric Withstand Tests?

- a. <1 mA
- b. >10 mF
- c. not hot to the touch
- d. no evidence of distress

10. What voltage should be used when checking control winding insulation for 600 V cable?

- a. 300 V
- b. 500 V
- c. 600 V
- d. 1000 V

11. What is the specification for a small dry-type low-voltage transformer's turns ratio?

- a. 0.5%
- b. 1.0%
- c. depends on the burden
- d. depends on the accuracy

12. What is the passing insulation resistance value for a large dry-type air-cooled 480 V transformer?

- a. 100 MΩ
- b. 500 MΩ
- c. 1000 MΩ
- d. 5000 MΩ

13. What value of the dielectric absorption ratio (DAR) is acceptable for a large dry type transformer?

- a. 0.5
- b. 0.8
- c. 0.9
- d. 1.0

14. What is another name for the Dissipation Factor test?

- a. polarization test
- b. withstand test
- c. tip-up test
- d. tan delta

15. What value of power factor tip-up testing requires investigation?

- a. >1%
- b. >2%

- c. >5%
 - d. >10%
16. What test passes if two of the current reading are similar and one is low?
- a. insulation withstand
 - b. voltage testing
 - c. polarization
 - d. excitation
17. When parallel conductor low-voltage cables are used, one should investigate if the results show what?
- a. deviations in resistance
 - b. deviations in withstand
 - c. 50% deviations
 - d. 15% deviations
18. What shield continuity is considered satisfactory for 1000 ft run?
- a. 1 Ω
 - b. 10 Ω
 - c. 15 Ω
 - d. 20 Ω
19. What busway connection point contact resistance requires investigation if the lowest value measured is 500 m Ω ?
- a. 400 m Ω
 - b. 450 m Ω
 - c. 600 m Ω
 - d. 800 m Ω
20. What fuse value deviation requires investigation?
- a. 5%
 - b. 10%
 - c. 15%
 - d. 20%
21. What NETA table should be used for molded-case circuit breakers for the long-time pickup specification?
- a. 100.1
 - b. 100.5
 - c. 100.7
 - d. 100.8
22. What device number represents an AC circuit breaker?
- a. 52
 - b. 59
 - c. 67
 - d. 87
23. What is the turns ratio accuracy for a Class C CT at rated current per IEEE?
- a. 3%
 - b. 10%
 - c. per manufacturer
 - d. per burden rating

24. The knee point voltage should be above the CT _____ rating.

- a. primary current
- b. primary voltage
- c. secondary current
- d. secondary voltage

25. What ratio does the $\tan\delta$ measure?

- a. I_C/I_R
- b. I_R/I_C
- c. V_T/V_C
- d. P_t/P_a

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