

LINEMAN UNIVERSITY

1393/ALBAT test

1.) Name the four most common transmission voltages on 1393 jurisdiction?

34.5 kV, 69 KV, 138 KV, 230 KV

2.) Name the three most common three phase voltages on 1393 jurisdiction?

4,160 volts, 12,470 volts, 13,800 volts?

3.) The neutral wire on any energized wye primary system may be opened safely?

No

4.) Is it possible to ground one phase of energized delta primary?

Yes

5.) Is it possible to connect two transformers in parallel that are hooked up to two different phases?

No

6.) What is the first step in taking a regulator out of service?

Place in the neutral position according to the manufacturer's specifications

7.) A transformer that is paralleled with another energized transformer is still hot when disconnected

from the primary.

Yes

8.) Capacitor terminals should be grounded and shunted with a piece of copper prior to working on them.

Yes

9.) Grounds should be installed on the neutral first and removed from the neutral last.

True

10.) The proper way of connecting an aluminum conductor to a copper conductor is?

Aluminum over Copper

11.) Select two reasons why an electric utility will use capacitors on their system?

-To correct lagging power factor -To offset induction losses on the line

12.) When grounding a de energized line the proper sequence is to connect the grounding equipment to the line first
False

13.) The average knot will have about what percentage of the ropes strength?
50-60%

14.) In which of the following electrical systems may a single primary bushing transformer be used?
Multi-grounded system or wye grounded system

15.) The purpose of a transformer is to change electrical energy at one potential to electrical energy to another potential.
True

16.) Generally speaking trãnsformers may be divided into two types.
Additive and Subtractive

17.) How long is it necessary to continue artificial respiration on a victim of electrical shock?
Until proper breathing has been restored or a doctor pronounces the victim dead

18.) Select two steps when taking a regulator out of service?
Place a regulator in neutral position according to instructions
Bypass the regulator

19.) What two purposes does oil do in a transformer?
Cooling and Insulation

20.) How often should rubber gloves be field tested?
Every time before use

21.) The phase to phase (nominal voltage) voltage on a 12,470 volt wye primary is?
12,470 volts

22.) What would you need to do in order to change the rotation of any three phase bank?
Swap any two of the three secondaries.

23.) What kind of meter do yau use to check rotation?
Rotation meter

24.) What meter would you need to use to check if you could parallel two phases together?
Phasing sticks

25.) What does a Capacitor do to the voltage on the line?

Boosts voltage

26.) At the station what kind of transformer do you use in order to get a true voltage?

Potential transformer

27.) On a running corner installation do you rake the pole toward or away from the down guy?

Toward the down guy

28.) All tie wires should be fully annealed and of the same type of metal as the conductor being tied,

True

29. Should you cut the straps and stakes before installing the steel band around the pole when unloading poles.

No

30.) What unit of measure is used to measure current?

Amps

31.) Pick the formulas that are correct.

-Power= voltage X time

- Watthour watt X hour

-Power voltage X current

(-Voltage-current. X resistance

32.) What is the difference between a class 2 and a class 6 pole?

Class 2 poles are larger in diameter than class 6 poles

33.) What is the formula for setting a pole?

10% plus 2 feet

34.) What are two types of arrestors?

Surge and Valve

35.) Can you put two different phases on a parking stand?

No you can't put two different phases on the same parking stand

Banks:

Wye Wye 120/208