

**GEOGRAPHIC INFORMATION SYSTEMS
GEOGRAPHIC INFORMATION CENTER
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***** EXAMINATION *****

ELECTRICAL TRANSMISSION AND DISTRIBUTION SAFETY MANUAL

1. **An example of a job hazard is:**
 - a) traffic and obstacles
 - b) heights
 - c) electrical shock and burns
 - d) All of the above

2. **The amount of current required to cause a burn is approximately:**
 - a) 10 milliamps
 - b) 50 milliamps
 - c) 75 milliamps
 - d) 95 milliamps

3. **PCB is a chemical known as:**
 - a) polychlorinated biphenyl
 - b) polycarbonated bioxide
 - c) polycarcinated biamphenol
 - d) polychloride borate

4. **Battery acid releases:**
 - a) nitrous oxide gas
 - b) oxygen gas
 - c) hydrogen gas
 - d) nitrogen gas

5. **A safety precaution may be:**
 - a) an activity regulation
 - b) a federal regulation
 - c) a safe working procedure
 - d) All of the above

6. **Which of the following may be a safety hazard?**
 - a) Non-conductive hard hat
 - b) Long sleeved cotton work shirts secured at the cuffs
 - c) Loose clothing
 - d) All of the above

7. **When installing or reconnecting circuits,**
 - a) the power shall be shut off
 - b) an approved voltage check shall be made to verify voltages
 - c) rubber gloves shall be worn
 - d) All of the above

8. **Service wires, when disconnected only at the source, shall be:**
 - a) considered energized unless they are short-circuited and grounded
 - b) considered energized
 - c) grounded
 - d) None of the above

9. **An example of a safe practice is:**
 - a) frequent safety training
 - b) following proper procedures
 - c) locking out equipment while servicing it
 - d) All of the above

10. **Protective devices must be:**
 - a) installed
 - b) set
 - c) tested and maintained
 - d) All of the above

11. **Visual detection of a live circuit may be made using:**
 - a) a bare wire
 - b) a live wire
 - c) a glow stick
 - d) None of the above

12. **A ground fault sensor with an alarm relay is an example of a:**
 - a) meter
 - b) alarm
 - c) voltmeter
 - d) ampmeter

13. **In the case of a short circuit, a:**
 - a) fuse should be used
 - b) circuit breaker should be used
 - c) protective relay should be used
 - d) Any of the above

14. **Reclosers are generally:**
 - a) single shot or three shot
 - b) double shot
 - c) four shot
 - d) None of the above

15. **An example of a protective relay is:**
- a) a concurrent relay
 - b) an alternating relay
 - c) a differential relay
 - d) All of the above
16. **CPR training should be conducted:**
- a) weekly
 - b) monthly
 - c) bimonthly
 - d) annually
17. **PCB uses the trade name:**
- a) Renduit
 - b) Askarel
 - c) Huevist
 - d) Donart
18. **A 'danger-hold' tag used for field tagging shall show:**
- a) name of tag holder
 - b) date
 - c) device
 - d) All of the above
19. **A tag on a gang operated switch shall be placed:**
- a) on the switch lock shackle
 - b) on the hot-line clamp tap bolt
 - c) on the de-energized wire/cable
 - d) on the grounded yoke of the oil fuse cut-out
20. **A tag on a isolated section of a feeder shall be placed:**
- a) on the switch lock shackle
 - b) on the hot-line clamp tap bolt
 - c) on the de-energized wire/cable
 - d) on the grounded yoke of the oil fuse cut-out
21. **If a pole line has no existing ground in the immediate vicinity,**
- a) then use rubber groves
 - b) then drive a ground rod
 - c) then use insulated tape
 - d) None of the above
22. **While working on energized lines, recommended safety gear is:**
- a) rubber sleeves
 - b) rubber mats
 - c) rubber gloves
 - d) Any of the above

23. **The average proof-text d-c voltage of Class 2 equipment is:**
- a) 20,000
 - b) 40,000
 - c) 50,000
 - d) 60,000
24. **Rubber insulating gloves should be tested:**
- a) every 6 months or upon indication that insulating value is suspect
 - b) every 12 months or upon indication that insulating value is suspect
 - c) before first issue and every six months thereafter
 - d) before first issue and every twelve months thereafter
25. **Rubber insulating line hose should be tested:**
- a) every 6 months or upon indication that insulating value is suspect
 - b) every 12 months or upon indication that insulating value is suspect
 - c) before first issue and every six months thereafter
 - d) before first issue and every twelve months thereafter
26. **A job hazards in overhead work is:**
- a) weak connectors
 - b) broken insulators
 - c) wet weather
 - d) All of the above
27. **When transformers are installed or replaced, the secondaries:**
- a) shall be checked for the correct voltage
 - b) shall be replaced
 - c) shall have a reduced voltage
 - d) None of the above
28. **Manholes usually contain:**
- a) excess oxygen
 - b) excess nitrogen
 - c) flammable gases
 - d) All of the above

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I hereby certify that I studied the course materials, and the above answers are my own. No other person has helped me to complete this exam.

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