QUIZ • 30 MIN

# System Design & Switching

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# System Design & Switching

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1. **Which of the following is not a switch gear component?** — 1 / 1 point

- ○ Switches
- ○ Busbar
- ○ Surge arresters
- ○ Circuit Breaker
- ◉ Grounding Breaker

**Correct**
Correct!

2. **Fill in the blank with the correct answer** — 1 / 1 point

**A _____ serves as a network node in physical terms and constitutes the start and end of individual lines.**

Busbar

3. **How can a circuit breaker be reset?** 1 / 1 point

- ○ None of the above
- ◉ All of the above
- ○ Manually
- ○ Automatically

✓ **Correct**
Correct!

4. **What do disconnect switches lack compared to circuit breakers?** 1 / 1 point

- ○ Transformers
- ◉ Mechanism for electric arc suppresion
- ○ Lockout
- ○ Lockable overlads

✓ **Correct**
Correct!

5. **Disconnect switches can trip open when it detects an over current situation.** 1 / 1 point

- ○ True
- ◉ False

✓ **Correct**
Correct!

6. **When can switches be operated?** **1 / 1 point**

- ○ Only in an arcing state
- ◉ Only in a de-energized state
- ○ Only in a live state
- ○ Only in an energized state

✓ **Correct**
Correct!

7. **Each Switch gear system and substation is divided into individual fields. Which option below is not one of the individual fields?** **1 / 1 point**

- ◉ Generator
- ○ Busbar
- ○ Current Transformer
- ○ Circuit breaker

✓ **Correct**
Correct!

8. **The purpose of a grounding switch is to _____ the circuit breaker and provide a mechanism to automatically close the breaker.** **1 / 1 point**

protect

protect

✓ **Correct**
Correct

9. **In relation to ensuring the reliability of electrical service, how is redundancy achieved?** **1 / 1 point**

- ○ By arranging circuits in several sections.
- ○ By arranging switches into several sections.
- ◉ By arranging Busbars into several sections.
- ○ By arranging transformers into several sections.

✓ **Correct**
Correct!

10. **What is the highest transmission voltage that high-voltage switches can handle?** **1 / 1 point**

- ○ 2.5M Volts
- ○ 2M Volts
- ○ 3M Volts
- ◉ 1M Volts

✓ **Correct**
Correct!