

____Review Questions

Lab session: 12

Circuit Breakers & Fuses

1. Which of the following circuit breaker can be installed on 400 kV line?

Air blast circuit breaker

2. Which circuit breaker has the lowest voltage range?

Air-break circuit breaker

3. The insulation resistance of high voltage circuit breaker is?

2000 Mega ohm

4. In a vacuum circuit breaker vacuum is of the order?

10⁻⁹mmHg.

5. There is definite objection to use of which of the following medium for extinguishing the arc in case of a circuit breaker ?

Water.

6. Fusing factor for a HRC fuse is?

Minimum fusing current / Current rating.

7. Who invented circuit breaker with inspiration from the work of Faraday and Henry?

Charles Grafton Page.

8. The making capacity of a circuit breaker is?

Greater than the asymmetrical breaking capacity of the breaker.

9. The probable cause(s) for failure of a circuit breaker on electrical compound could be?

- Trip circuit open
- Trip latch defective
- Spring defective

10. Air used in air blast circuit breaker must be?

Be free from moisture.

11. In air blast circuit breaker resistance switching is used to?

Damp out the fast transient.

12. Which of the following metals cannot be used as a fuse wire?

Iron.

13. The voltage that appears across the breaker contact after the circuit breaker is opened is called?

Recovery voltage

14. **The SF₆ circuit breakers are preferred for the substation with?**

220kV

15. *What* An ideal circuit breaker should offer?

Zero & infinite impedance before & after interruption respectively