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1. The main function of a fuse is to

- (a) protect the line
- (b) open the circuit
- (c) protect the appliance
- (d) prevent excessive currents
- (e) none of the above

Ans: d

2. On which of the following routine tests are conducted ?

- (a) Oil circuit breakers
- (b) Air blast circuit breakers
- (c) Minimum oil circuit breakers
- (d) All of the above

Ans: d

3. SF₆ gas

- (a) is yellow in colour
- (b) is lighter than air
- (c) is nontoxic
- (d) has pungent smell
- (e) none of the above

Ans: c

4. The arcing contacts in a circuit breaker are made of

- (a) copper tungsten alloy
- (b) porcelain
- (c) electrolytic copper
- (d) aluminium alloy

Ans: a

5. Which of the following medium is employed for extinction of arc in air circuit breaker ?

- (a) Water
- (b) Oil
- (c) Air
- (d) SF₆

Ans: c

6. With which of the following, a circuit breaker must be equipped for remote operation ?

- (a) Inverse time trip
- (b) Time-delay trip
- (c) Shunt trip
- (d) None of the above
- (e) All of the above

Ans: c

7. Fault diverters are basically

- (a) fuses
- (b) relays
- (c) fast switches
- (d) circuit breakers

Ans: c

8. A thermal protection switch can protect against

- (a) short-circuit
- (b) temperature
- (c) overload
- (d) over voltage

Ans: c

9. Arc in a circuit behaves as

- (a) a capacitive reactance
- (b) an inductive reactance
- (c) a resistance increasing with voltage rise across the arc
- (d) a resistance decreasing with voltage rise across the arc

Ans: d

10. Thermal circuit breaker has

- (a) delayed trip action
- (b) instantaneous trip action
- (c) both of the above
- (d) none of the above

Ans: a