

## QUIZ – ANSWER KEY

### QUIZ 47

#### TOPIC: ELECTRICAL ENGINEERING

1. Which among the following methods are used for the calculation of solution of a medium transmission line?

- [A] End condenser method
- [B] Only T method
- [C] Only pi method.
- [D] All of these.

**Answer: D**

2. The stability of the power system is not affected by which among these?

- [A] Generator reactance
- [B] Line losses
- [C] Excitation of generators
- [D] All of these

**Answer: B**

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3. What are the A and D parameters in case of medium transmission line (nominal T method)?

[A]  $A = D = 1 + (YZ / 2)$

[B]  $A = D = 1 + (YZ / 2) * Z$

[C]  $A = D = (YZ / 2)$

[D]  $A = D = (YZ / 2) * Y$

**Answer: A**

4. What is the value of transient stability limit?

[A] Higher than steady state stability limit

[B] Lower than steady state stability limit

[C] Depending upon the severity of load

[D] All of these

**Answer: B**

5. In the nominal pi method which among these are divided into two halves?

[A] Series impedance.

[B] Shunt capacitance.

[C] Both (A) and (B)

[D] None of these.

**Answer: B**

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6. Which among the following methods is used for improving the system stability?
- [A] Increasing the system voltage
  - [B] Reducing the transfer reactance
  - [C] Using high speed circuit breaker
  - [D] All of these

**Answer: D**

7. What is the value of B parameter in case of nominal pi method?
- [A] Y
  - [B] Z
  - [C]  $Y * (1 + YZ / 4)$
  - [D]  $Z * (1 + YZ / 4)$

**Answer: B**

8. Stringing Chart is useful.....
- [A] for finding the sag in the conductor
  - [B] in the design of the tower
  - [C] in the design of the insulator string
  - [D] Finding the distance between towers

**Answer: A**

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9. How can we check upon the transient stability of a power system?

[A] By checking variation in load angle

[B] By checking variation of real power with load angle

[C] Checking variation in load angle and real power

[D] Checking variation in load angle or real power

**Answer: C**

10. The drain of FET is analogous to..... of BJT.

[A] Emitter

[B] Base

[C] Collector

[D] Substrate

**Answer: C**

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