QUIZ – ANSWER KEY

QUIZ 51

TOPIC: ELECTRICAL ENGINEERING

1. What percentage of fault occurring in the power system is line to line fault?

[A] 5 %

[B] 30 %

[C] 25 %

[D] 15 %

Answer: D

2. When all the three phases are short circuited it gives rise to

[A] asymmetrical fault current

[B] symmetrical fault current

[C] zero fault current

[D] both (a) and (b)

Answer: B

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3. The over voltage surges in power systems me be caused by

[A]   Lightning

[B]   Resonance

[C]   Switching

[D]   All of the above

Answer: D

4. Which type of matrix is Z bus matrix?

[A] Sparse

[B] Dense

[C] Null

[D] None of the above

Answer: B

5. The most severe fault on the power system is

[A] Single line to ground

[B] Three phase short circuit

[C] Phase to phase

[D] None of the above

Answer: B

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6. What percentage of faults occurring is single line to ground fault?

   [A] 50 %

   [B] 60%

   [C] 35 %

   [D] 70 %

   Answer: D

7. Which of the following matrix is used for load flow studies?

   [A] Z bus matrix

   [B] Y bus matrix

   [C] Null matrix

   [D] Unit matrix

   Answer: B

8. Coincidence factor is defined as the ratio of

   [A] Average load to Maximum demand

   [B] Maximum demand to Connected load

   [C] Sum of individual max demand to Max demand on power station

   [D] Max demand on power station to Sum of individual max demand

   Answer: D

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9. An over-excited synchronous motor on no-load is called

    [A] Alternator

    [B] Synchronous condenser

    [C] Universal motor

    [D] Induction motor

    Answer: B

10. The smaller the lagging reactive power drawn by the circuit,

    [A] The higher is the pf

    [B] The smaller is the pf

    [C] The higher is the active power

    [D] None of these

    Answer: A

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