

QUIZ – ANSWER KEY

QUIZ NO: 71

TOPIC: ELECTRICAL ENGINEERING

DATE: 28/04/2022

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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