

QUESTION BANK

1. What is testing of electrical equipments? Classify different tests
2. State the importance of polarity test for transformer.
3. What is difference between equipment earthing and system grounding? Explain earthing procedure for substation.
4. What is Earthing ? state need of Earthing
5. Explain insulation resistance measurement for power transformer.
6. What are clearance and creepage?
7. Explain earth resistance measurement with usual connection diagram.
8. Explain drying out procedure for power transformer. Also show the insulation resistance variation during drying out with respect to time.
9. Explain the polarity measurement of current transformer.
10. Can Dy1 connected in parallel with Dy11? Justify your answer.
11. Explain routine maintenance procedure for a power transformer.
12. What is tower footing resistance? Explain any one method to reduce the value of tower footing resistance.
13. Explain load losses measurement of Power transformer and significance of it.

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14. Discuss different cooling systems.
15. State various troubles, causes and preventive actions for failure of Power transformer.
16. Explain Murry loop test for ground fault location in underground cable
17. Classify tests to be performed on electrical equipments
18. Explain variation of IR during the drying out procedure of power transformer.
19. Discuss the factor on which intensity of Electric shock depends.
20. Explain test methods for Temperature rise of Transformer as per IS 2026.
21. Enlist different tests to be performed on busbar.
22. Explain Vector group of Transformer.
23. Explain any one test to be performed on three phase synchronous machine to find out its synchronous impedance.

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24. Explain the no load test and blocked rotor test of an induction motor. What data such test provides?
25. What is polarization index? What is its significance?
26. Discuss causes of troubles and failure of Transformers and their remedy