**PROBABLE QUESTIONS OF ELECTRICAL TECHNOLOGY**

**4TH SEMESTER MECHANICAL ENGG**

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1. What are the different methods for generation of electrical power?
2. What are primary transmission, secondary transmission, primary distribution and secondary distribution?
3. Distinguish between DC and AC supply?
4. Explain the voltage, current relationship in both star and delta connection.
5. Explain about deflecting torque, controlling torque and damping torque.
6. Explain the construction and working principle of PMMC instrument.
7. Explain the construction and working principle of M.I type instrument.
8. Explain the construction and working principle of Electrodynamotype instrument.
9. Explain construction and operating principle of DC motor.
10. Derive the emf equation of DC motor.
11. What is back emf?
12. Explain about different types of losses in a DC machine.
13. Explain construction and operating principle of Transformer.
14. Derive the emf equation of Transformer.
15. What is transformation ratio?
16. Explain the open circuit test of transformer.
17. Explain the short circuit test of transformer.
18. Explain construction and working principle of 3-phase induction motor.
19. Explain construction and working principle of alternator.
20. Explain the methods of starting of a synchronous motor.
21. Explain working principles and types Electric heating and welding
22. Describe the concept and principle used in electroplating.