

Derive the expression for EMF of transformer. What is transformation ratio?

Voltage regulation and efficiency

Equivalent circuit of a transformer

Discuss the principle working of single phase Transformer.

Explain about open circuit and short circuit test.

Distinguish between electrical and magnetic circuits.

Faraday's law of electromagnetic induction.

Explain principle of working of a Transformer. Explain core and shell type transformer with diagram. 7

Discuss some of the magnetization characteristics of ferro magnetic materials.

Derive a relation that gives the value of force on a current carrying conductor.

Discuss the construction, working principle, emf equation and equivalent circuit of single phase transformer.