

- ✓ While conducting short circuit test on a transformer, **low voltage side is short circuited**
- ✓ The use of higher flux density in the transformer design to reduces **weight per kVA**
- ✓ The efficiency of two identical transformers under load conditions can be determined **by back to back test**
- ✓ Sumpners test is conducted on transformer to determine **temperature**
- ✓ **Silicon steel** used in laminations mainly **reduces hysteresis loss**
- ✓ A common method of cooling a power transformer is **oil cooling**
- ✓ The degree of mechanical vibrations produced by the laminations of a transformer depends on
 1. Tightness of clappings
 2. Gauge of laminations
 3. Size of laminations
- ✓ The no load current drawn by transformer is usually **2 to 5 % of full load current**
- ✓ No load test on transformer is carried out to determine **magnetizing current and loss**
- ✓ The dielectric strength of transformer oil is expected to be **33kV**
- ✓ No load current in transformer is lag behind the voltage by about **75 degree**