

**V – Semester Practicals, Paper – V : Electromagnetism**  
**Question bank**

1. Verify the Thevenin Theorem
2. Show that all the voltage sources in a linear network can be replaced by a thevenin equivalent voltage source
3. Verify Norton Theorem
4. Show that all the current sources in a linear network can be replaced by Norton source
5. Verify Superposition Theorem
6. Verify maximum power transfer theorem.
7. Show that the maximum power is transferred when load impedance is complex conjugate of the equivalent impedance of network
8. Determine a small resistance by Carey Foster's Bridge.
9. Find the temperature variation of resistance using Carey – Foster bridge
10. Determine the (a) current sensitivity, (b) charge sensitivity, and (c) CDR of a B.G.
11. Determine high resistance by leakage method.
12. Determine the ratio of two capacitances by De Sauty's Bridge.
13. Determine self-inductance of a coil by Anderson's Bridge using AC.
14. Determine self-inductance of a coil by Rayleigh's method.
15. Determine coefficient of Mutual inductance by absolute method.