

Chapter-6

(Statically Induced E.M.F)

Lecture-1

What is an induced emf?

- Definition. It can be defined as the generation of a potential difference in a coil due to the changes in the magnetic flux through it. In simpler words, electromotive Force or EMF is said to be induced when the flux linking with a conductor or coil changes.

STATICALLY INDUCED EMF;

- This type of EMF is **generated by keeping the coil and the magnetic field system, stationary at the same time**; that means the change in flux linking with the coil takes place without either moving the conductor (coil) or the field system.

