

14) Write the definition and S.I unit of following;
Magnetic flux, Reluctance, Magnetic flux density.

1) Magnetic flux: It is defined as the number of magnetic field lines passing through a given closed surface.
S.I unit is weber.

2) Reluctance: It is defined as the ratio of magnetic motive force (MMF) to magnetic flux.
S.I unit is $\frac{1}{\text{Henry}}$.

3) Magnetic flux density: It is defined as the amount of magnetic flux in an area taken perpendicular to the magnetic flux's direction.
S.I unit is weber/m^2 .