

Complete PHYSICS

IIT-JEE · NEET · CBSE eBOOKS CLASS 11&12th

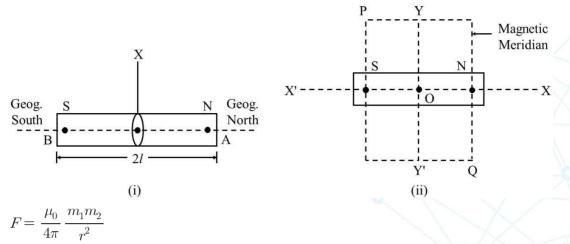


CLASS 12th Magnetism and Matter

01. The Bar Magnet

(i) The Bar Magnet

It is the most commonly used form of an artificial magnet.



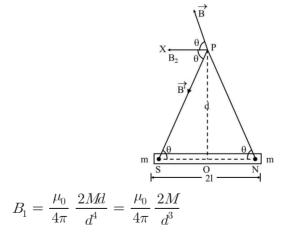
02. The Magnetic Field Lines

Magnetic field line is an imaginary curve, thetangent to which at any point give us the direction of magnetic field \vec{B} at that point.

The path along which the compass needles are aligned is known as magnetic field line.

03. Magnetic Field Strength At a Point Due to Bar Magnet

The strength of magnetic field at any point is defined as the force experienced by a hypothetical unit north pole placed at that point. It is a vector quantity. The direction of magnetic field (\vec{B}) is the direction along which hypothetical unit north pole would tend to move if free to do so.





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