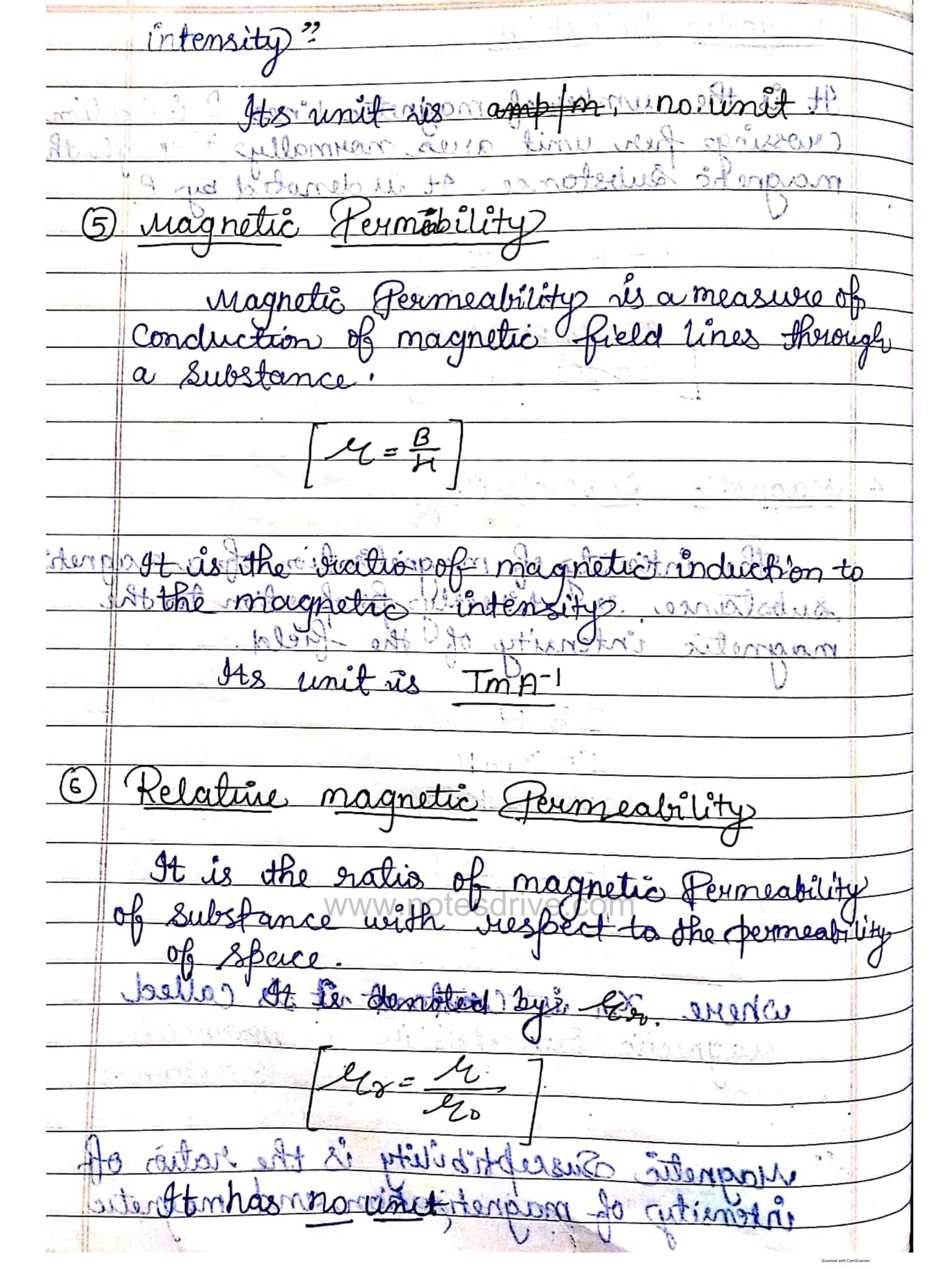


Various terms relateo magnetism Magnetic Intensity (4) The Capability of magnetic field to magnetise the substance is called its magnetic = magnetic field inside vacuum At is also known as magnetising force Ou magnetic - field strength 0820 HS ES00 H = 146 he magnetic moment is called sintensity of maignetisation As S. J. unit is

Magnetic Induction It is the number of magnetic lines of induction sussings few unit area normallys through the magnetic substance. It is denoted by B in Bo= PEOHIDO Colt Colo 4 magnetic The intensity of magnetisation of a magnetise 2m use Comstant set sis magnectic Susceptibility of regnetic Disceptibility is the ration of intensity of magnetication and imagnetic



Relation between Relative magnet ermeability Susceptibilia (X magnetin thou Mo (4+ I) with the Stenner = eto (4+ XmH) B= Gou (1+ xm; Viaterials Framagnetic Those Substances which are when an external magnetic field he of hosite descection of en

and it's Bewfertye is Called Diamagnetism He weaper fourt of the external magnetic field. Hts magnetic Suceptibility is Negative Comale)
e.g. > Gold, Silver, Bismith etc.
Copper, pb, Nitrogen (STP). ara magnetio No ofe odd Those Substances which get weakly) magnetise in the direction of Vereternal magnetic field when flaced in an external magnetic field are called force magnetic Substances Expal magnetic

They have Strong tendency to more forom as region of weak magnetic field to Strong magnetic field. They get strongly attracted to a magnet 8.92. From, Ni, Co, etc. The fevoromagnetic Boroberty depends on the tempbecomes a foramagnet is called Curic temperanagneticanto para magnetico Constan Curies

manometer naul Solenno majerial Ammde D Restantivity Coercivity Magnetisation Saturation H-> eseronal netter her orness a togown event is called - Rysterises Curus represent the magnetics inductions acinetic material with magnetic intensit when no teromagnetic Su a Soleniza and the coverent solomoid is inche aged the magnetic fiel hisses an reduce its zero. the recenter ity. When H=0, B +0 were ab Retentivity Solenoid increased we again oftain Saturation reverse disrection

But at point c the value of B become zono
this is called Coercivity.

Now the current is reduced the B increased in reverse direction and this so Cycle repeal itself this phenomenon is called hysterisis and this curve is called thysterisis curve

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