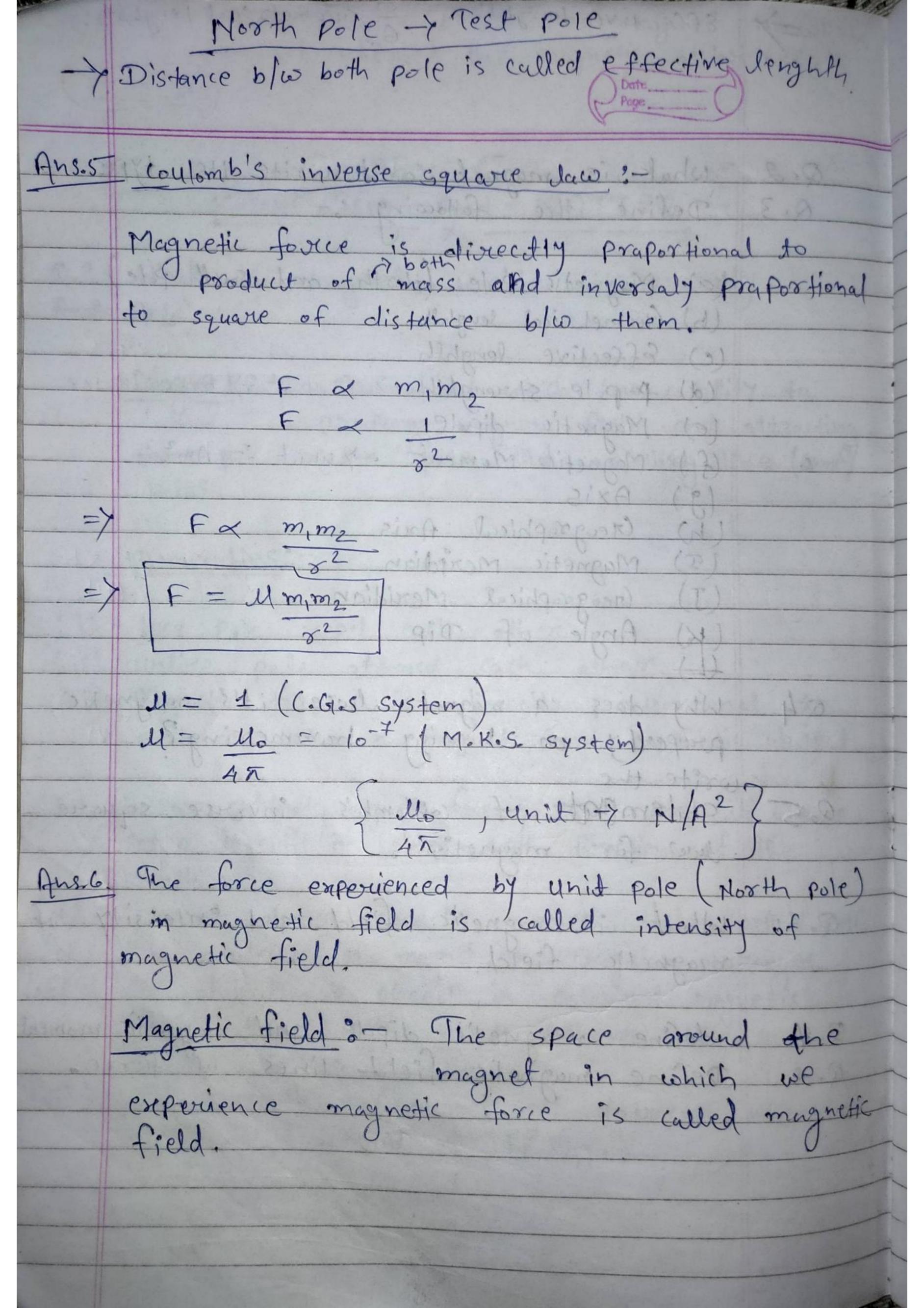
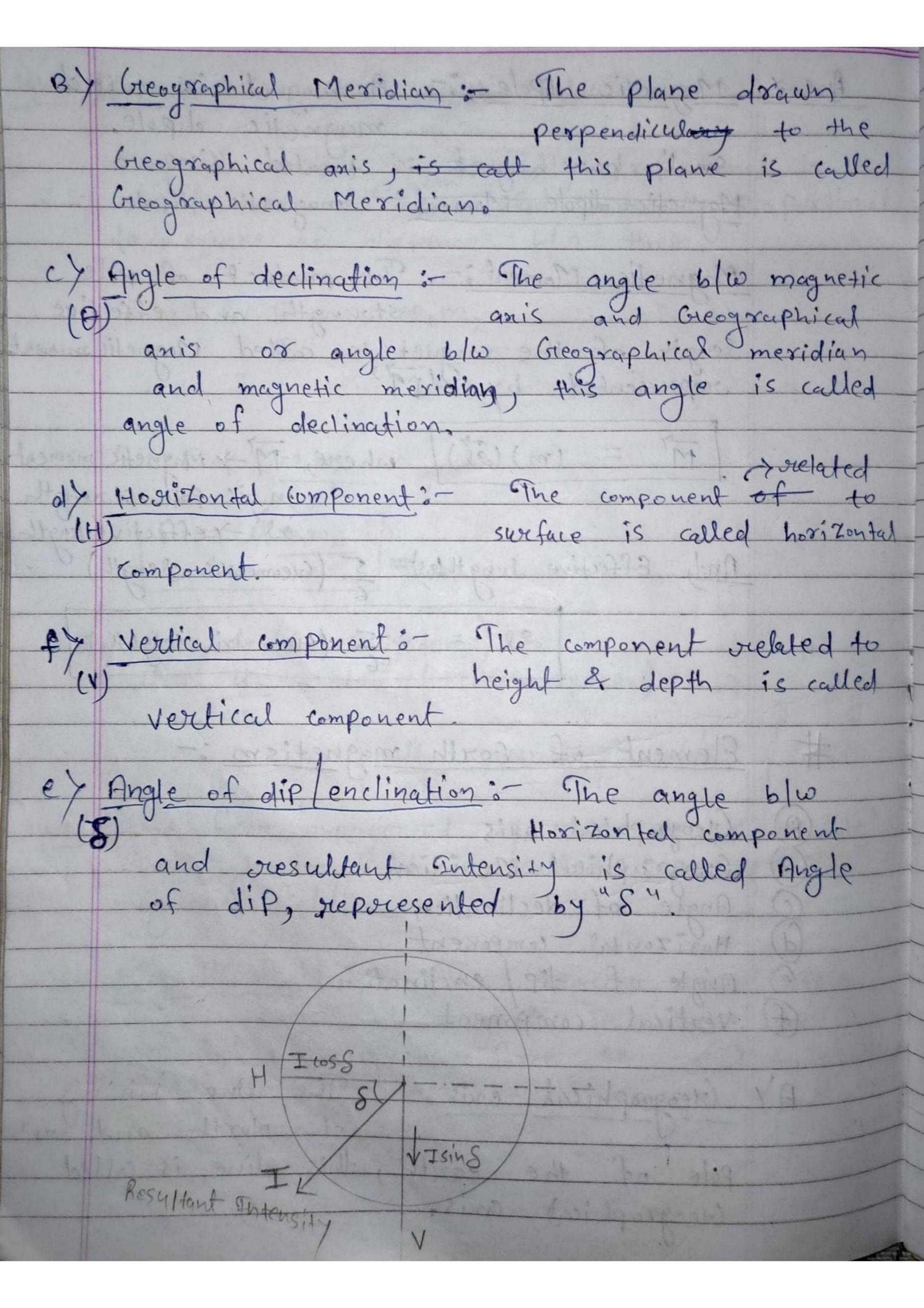
Magnetism: This is the property of magnet in which magnetic substance. MAGNETISM And MATTER Q.1 What is magnet write it's property. Magnet: - An object which has capabity to Same pot opposite pole and repelling like (same) Properties: (i) like pole repel each other (ii) unlike pole attract each other Magnetic force is directly prapartional to distance between magnet and magnetic object if we subtend magnet forcely in air then it always setup itself in North-south direction of the (4) Magnet always correcte magnetic field around itself. The molecule of magnet are regular arranged. (Ni) An object is placed in enternal magnetic (Vi)) field then that objects behaves like a magnet for some time. The properties of magnet get destroyed when magnet is hammerced or heating.

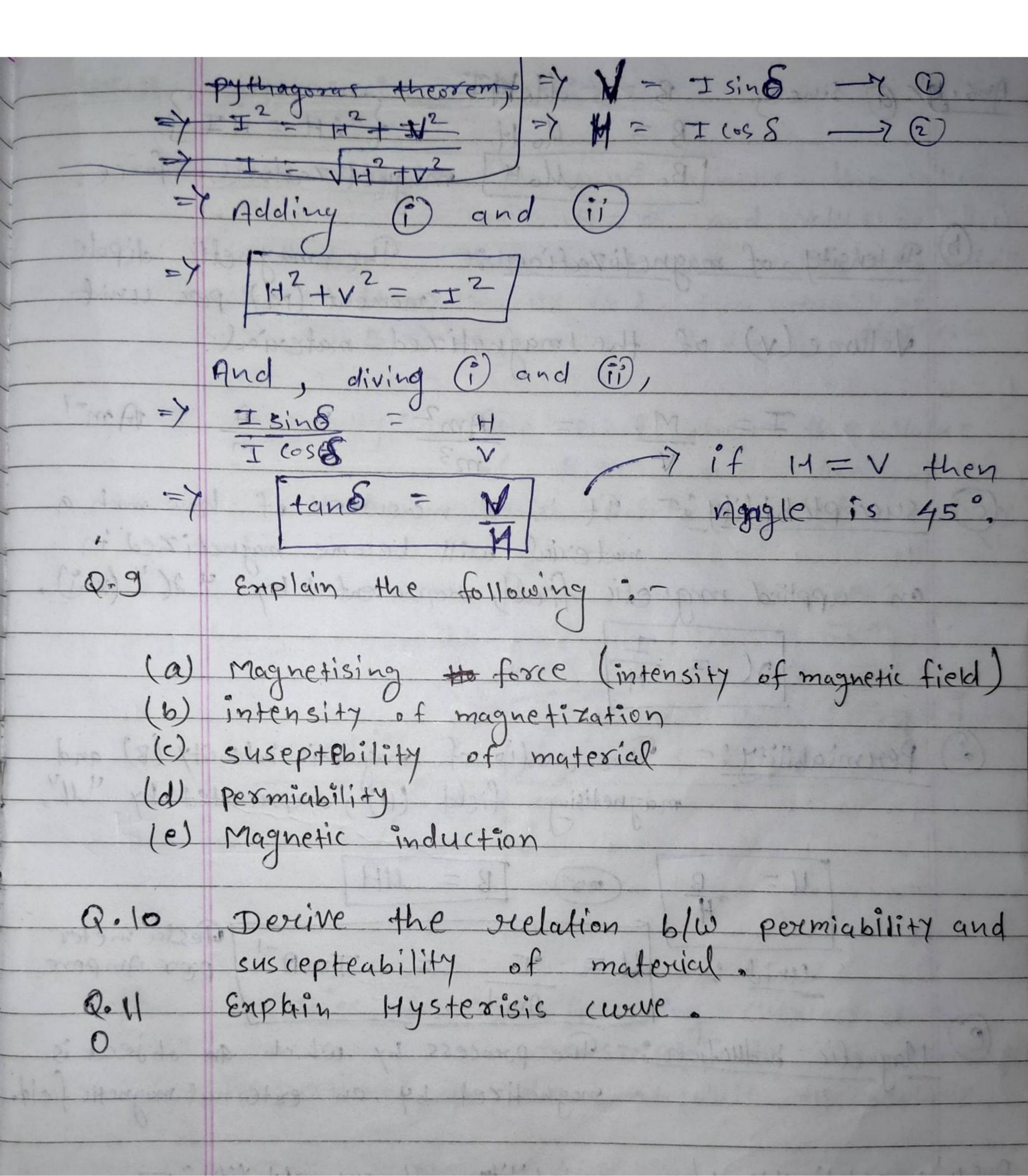
=>	Effective lenghth = 5 Greometsical lenghth.
	Miles of the land
0.2	What is magnet and write its type. Define the following:
Q.3	Define the following: -
Torott cog of	(a) Magnetic Pole (North and south Pole)
	(b) Geometrical length
	(c) Ettective length
	(d) to pole stronghth -> strunit -> Ampere more
	(e) Magnetic dipole
*	(f) Magnetic Moment - y unit :- Am²
	(g) Axis
	(h) Geographical Axis
	(2) Magnetic Meripatian
	(1) Geographical Mercidian
	(K) Angle of Dip
- 1.	(-)
0.4	Why does a magnet iloose its magnetic
	Why does a magnet cloose it's magnetic property on heating hammering?
0-	Statement of coulomb's inverse square
005	Statement of coulomb's inverse square
	law for magnetism.
	de l'est est d'alle val la montre de montre de la
Q.6.	What is magnetic field and intensity of
	What is magnetic field and intensity of magnetic field.
0.4	define magnetic dipole and magnetic moment
9.8	define magnetic dipole and magnetic moment. Define magnetic field lines of force.
-	to the same of the
-	

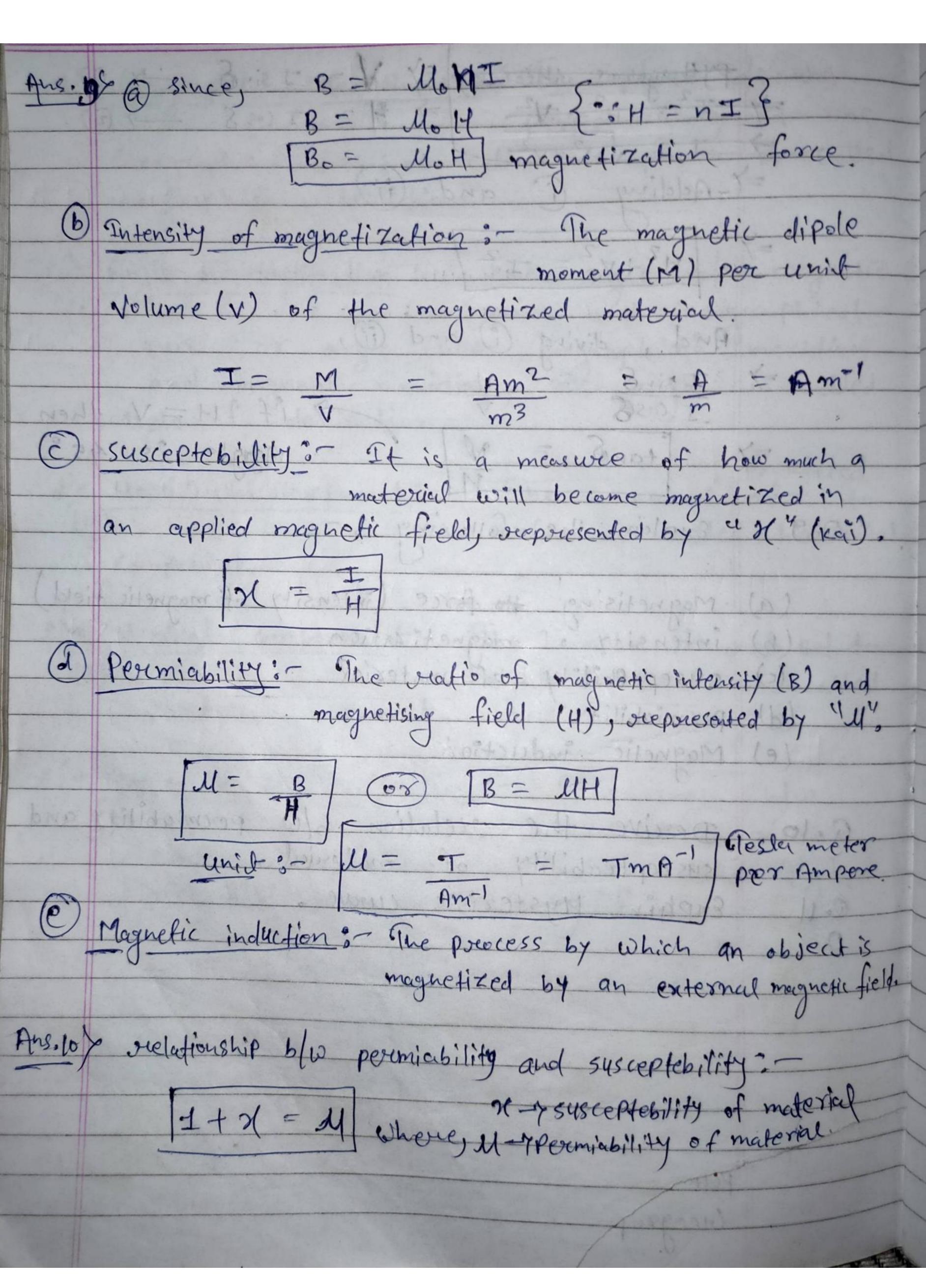


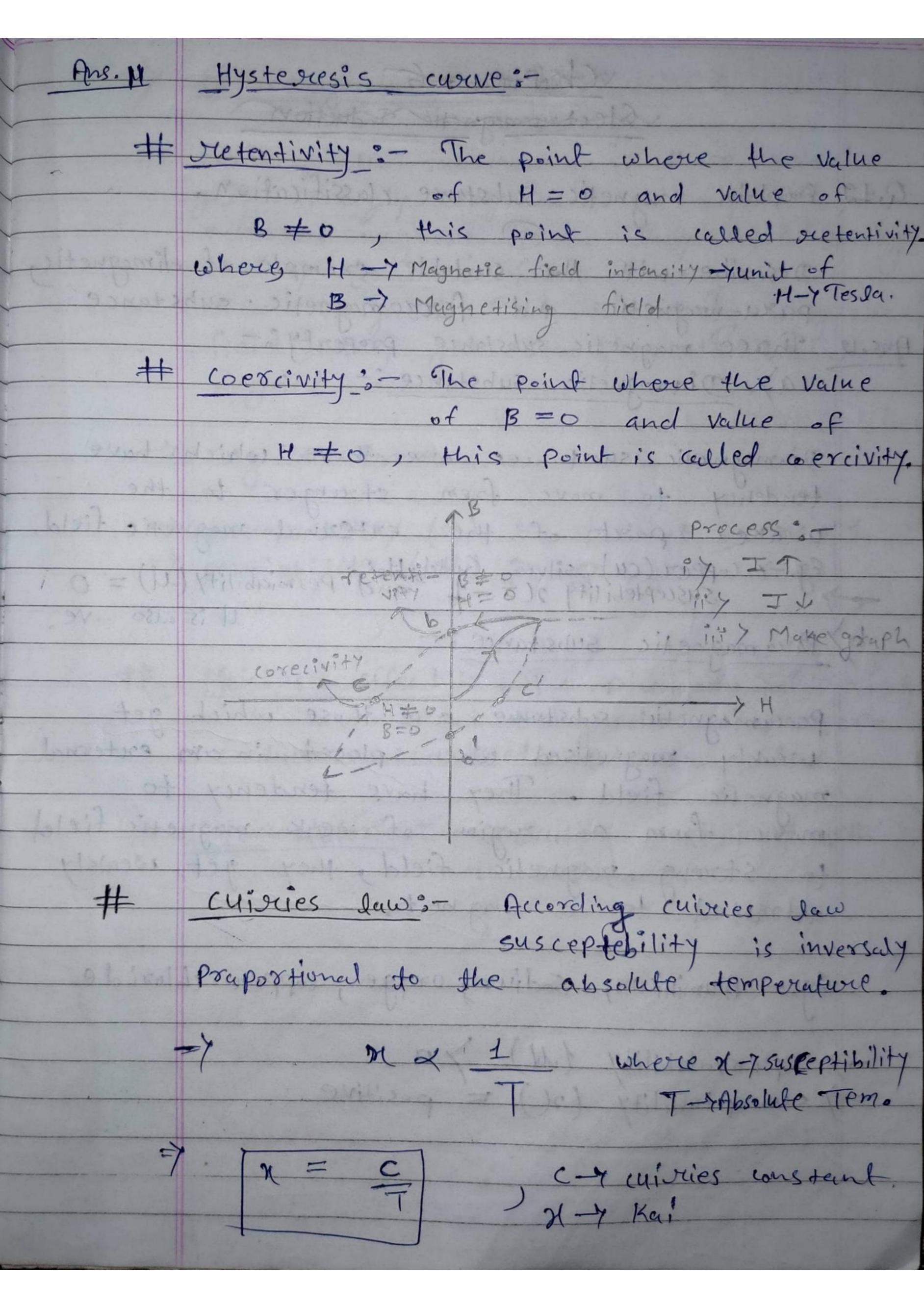
Ans. 7. Magnetic dipole :- A magnet is called Small bour magnet is treated like a

Magnetic dipole Moment: magnetic dipole. Magnetic Moment: The product of pole striength and effective length of the magnet is called Magnetic moments m = (m) (22) where, M-y magnetic moment m-7 pose strength 21 - y effective length Andr Effective lengthket 5 (Geometric length) 21 = 5 (Greometric lenghth) Element of Earth magnetism Geographical axis Greographical Meridian Angle of declination Horizontal component Angle of dip/enclination Vertical component AT Geographical anis: The line Joining Pole of the earth, this line is called beographical axis.









Q.12 Explain magnetic substance classification. Describe with the suitable enample of dimagnetic Ans. 12 Three magnetic substance property: a) Diamagnetic substance :-Diamagnetic substances are those which have tendency to move from stronger to the weaken part of the external magnetic field. Eg. -> Copper (cu), silver, Gold, H20, susceptebility (x) = 0

susceptebility x=-1 and Permiability (x) = 0 Mis also - ve. Paramagnetic substance: Paramagnetic substance are those which get weakly magnetised when placed in am enternal magnetic field. They have tendency to move from a region of weak magnetic field to strong magnetic field, they get weakly attracted to a magnet, Eg. - Aluminium, sodium, oxygen, copper chloride -> permissility (M) > positive. 2003 7515 133 14 - 5

Fermo magnetic substance: terromagnetic substance are those which gets strongly magnetised when placed in an enternal magnetic field. They have strong tendency to move from a viegion of weak magnetic field to strong magnetic field, they got strongly attracted to a leg of iron > susceptebility (21) = positive, x/1 -> permiability (:11) > 2 150 To - 6 100 000 # Meissner effect: The phenomena of perfect conductors is called meissner effect. Superconductors: - conducting electricity with no resistance,