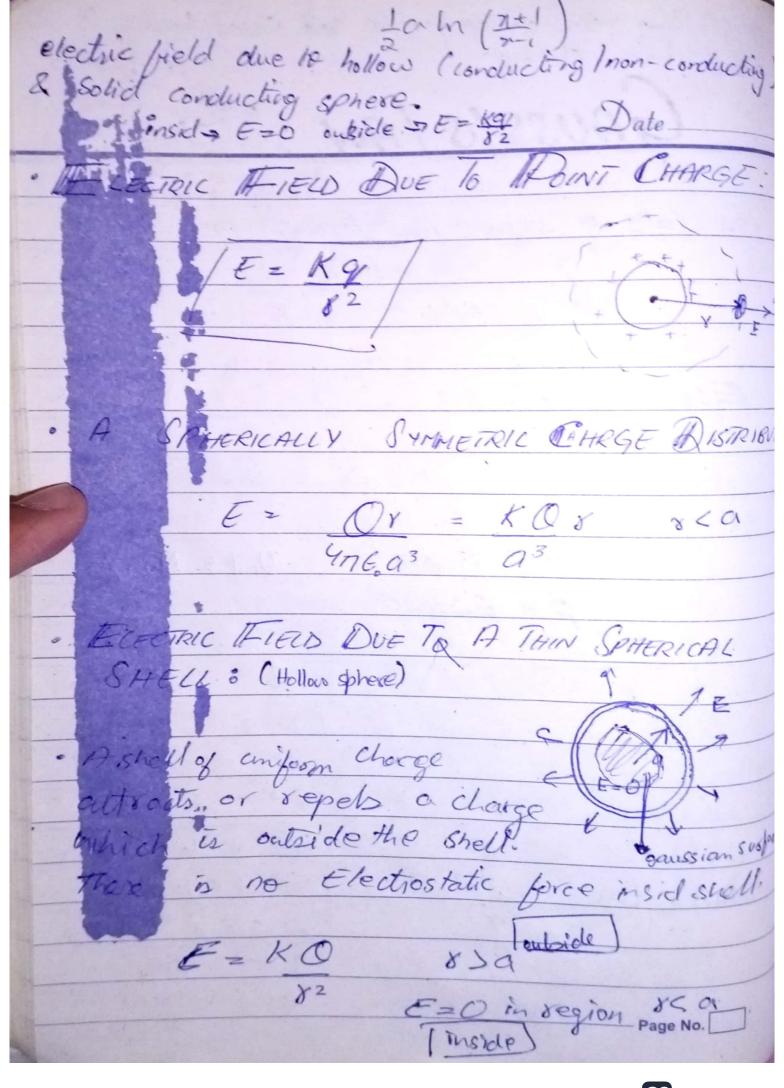
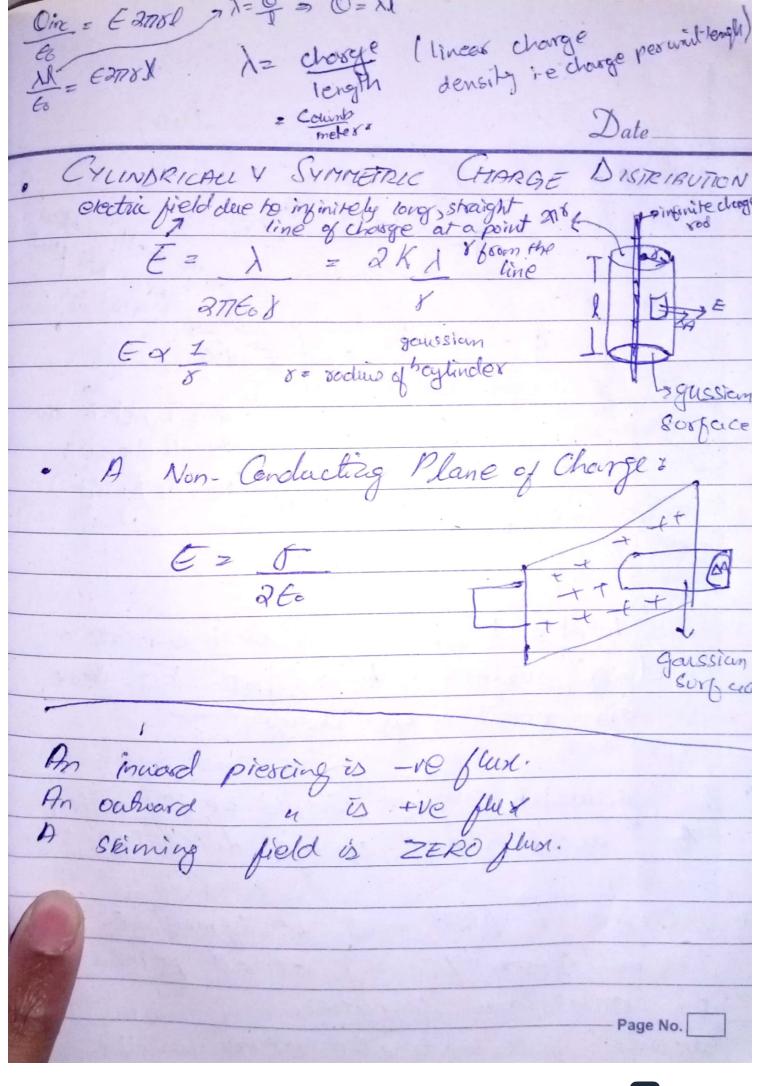
gauss's law mein charge homesta and Closed Sorface R
anday have charge homesta and Closed Sixface k
Canada / Bet The
GAUSS S (AW count + ox Date_
GAUSS'S (All point 1 or Date point 1 or Date Rescorce out lesdenge. The rate of volume flow through the loop is:
The rate of volume flow through the loop is:
$\varphi = (v\cos\theta)A$
Ø = VACOSO = V.A
ELECTRIC FLUX:
The ammount of field, material or other physical entity passing
material or other physical entity passing
through a surface.
9 = E. BA Unit > Nom2/c
$\phi = EDCOS\Theta$
0<90° 0>90
Plux is +ve lux is -ve
ire out of suspace
toke size of closed surface
GAUSS'S Law: And size of closed sustace doesnot effect guss's
Φ= Vinets law and also does not
Es depend on shape of
Es depend on shape of closed subjace. Page No.
rage No.





Date mye mathemetra Jorm hai I'm 9/3 to all charges Jelen gauss law (inside foutside) men sixt inside consider Krenge. dosed surface. Ans > \$=0 bez there are equal & opp charges the gaussian sorface should be symmetre about charge / charge distribution. The E bield must be symmetric (equal / constant/samo) at all points of gaussiam suspace. _ Page No. (elsevise gauss's law is valid but not usefull)

3. The E' (angle between £ 8 Å') must be same at all points of the susface. (0=0 0890°) 4. Gassian sexpace must not pass through any point charge. 4 In conditions par gauss's law aspul heir). O: Glass' Calculate Plus through the following. ye humne symmetry

Lieje khud braya 2) Alix through hemisphese? 9 k poose sphere 9/60 to half men : by 2. Page No.

