

Handwritten Notes On Electromagnetic Wave







## Electromagnetic Wave

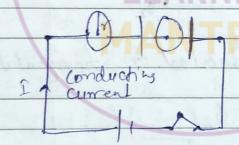
E.M. Walles

Dested: Current = carrying wire can producemit

foraday: Time vourying M.F. can Produce 5. F

Clarke Haxwells

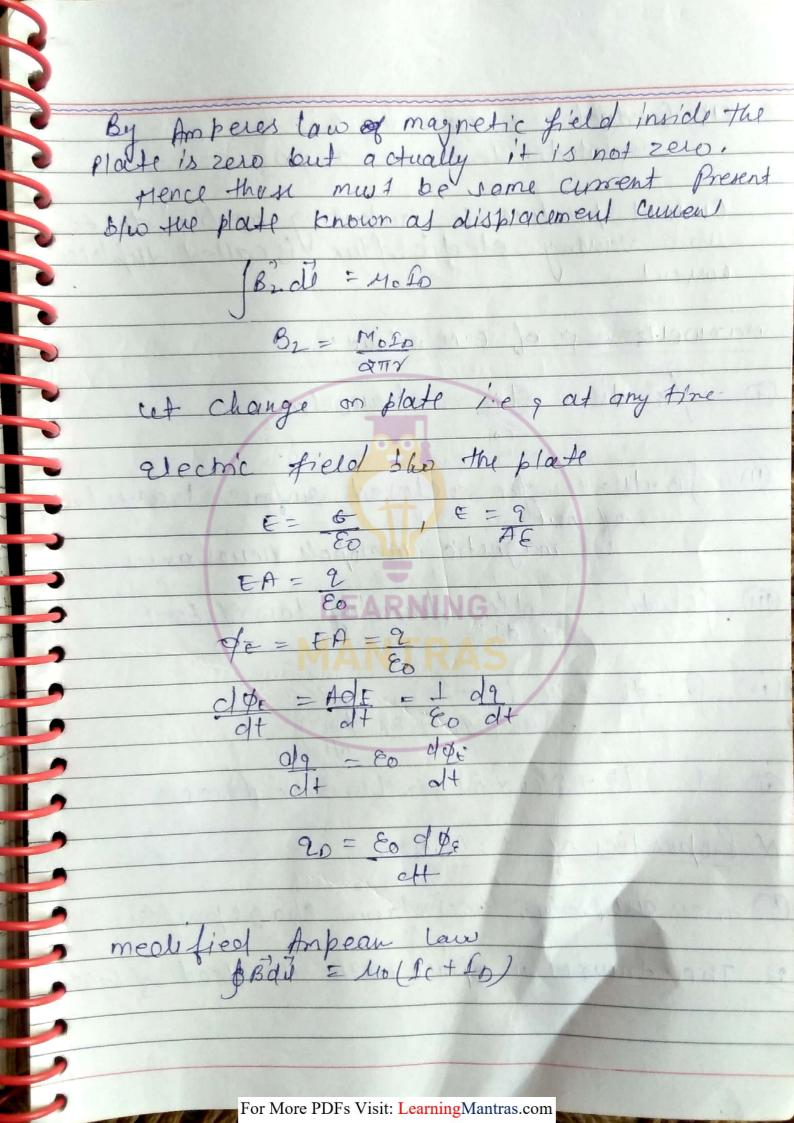
electric field hence by sammethise of nature time varing electric field should also produce magnetic field should also produce magnetic field should also produce magnetic field collectively these are care cared electromagnetic field.

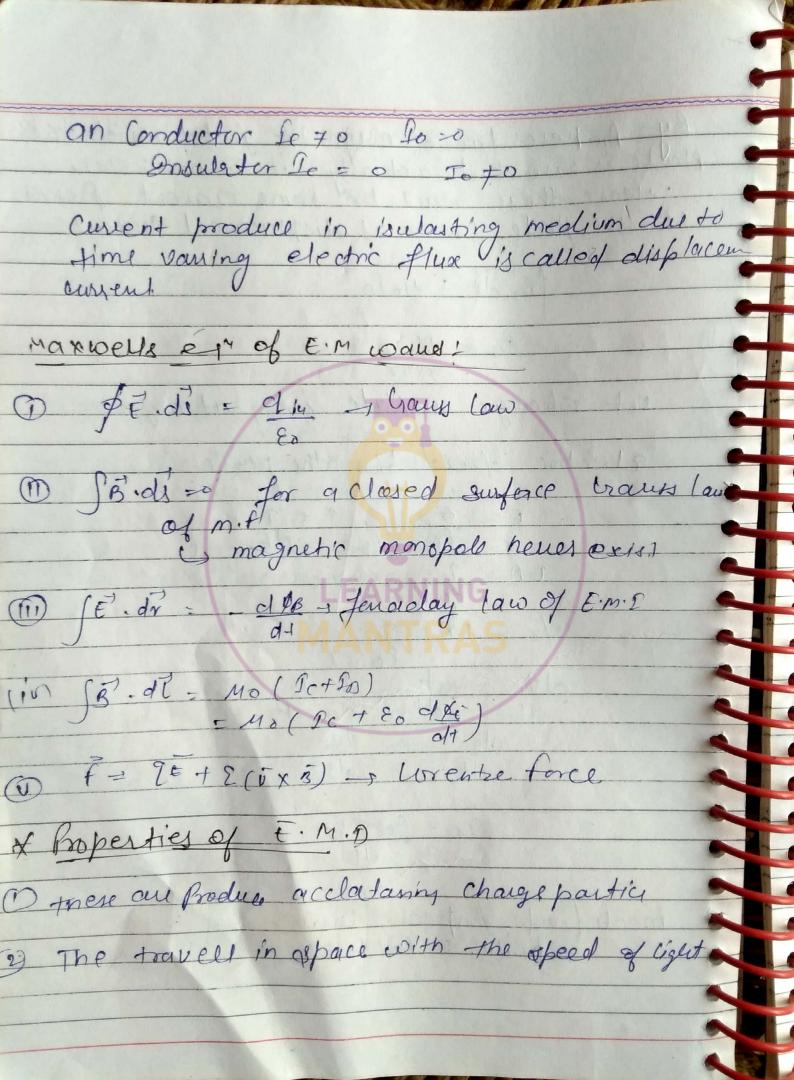


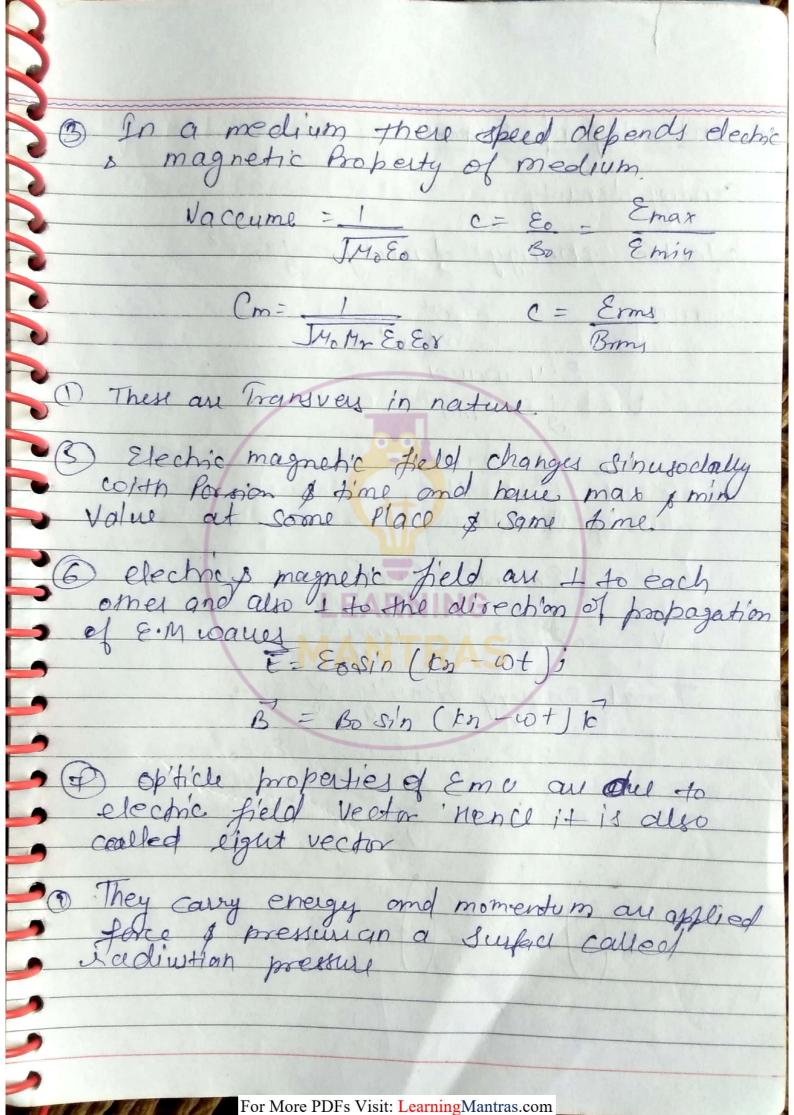
of P JB,dJ= no lin

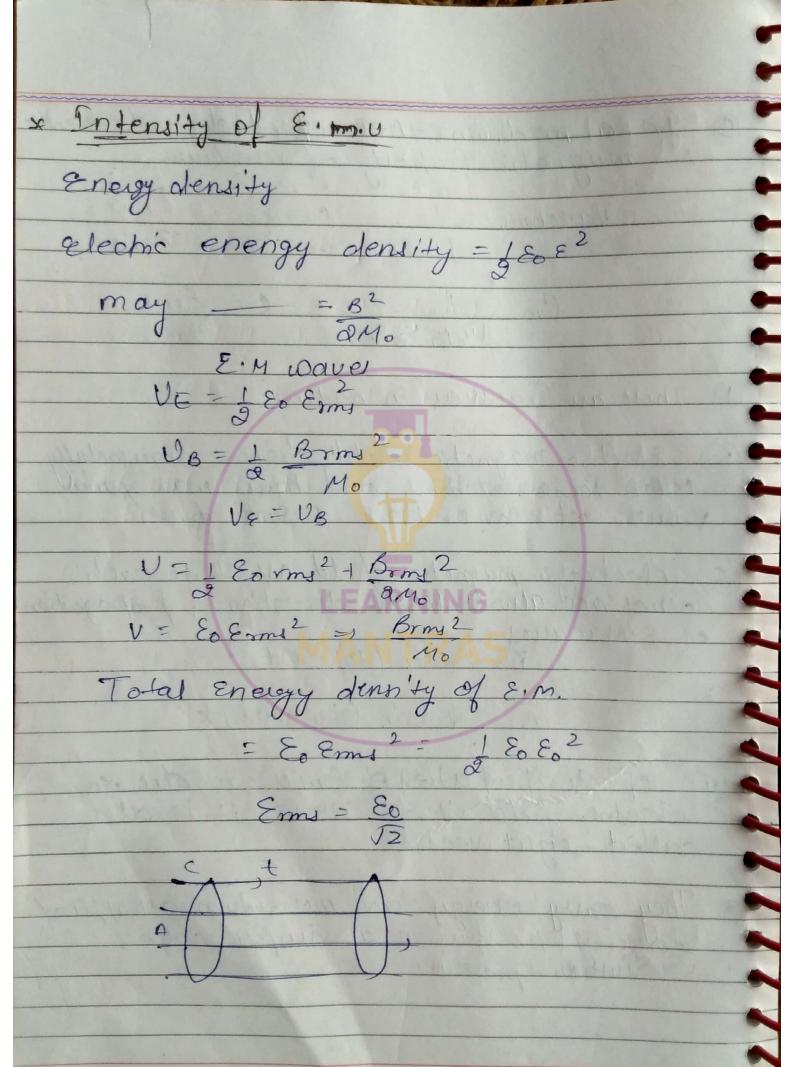
> B1 = MOS 2718 = MOS 2718

at B2 SB2 dl = Molinc B2 dT 8 = D B20









Vol. of cylinder - Act
Total energy = 180802 Act
Intensity = Energy
Intensity = 180802C
Ontensity - Bot c
10. A small bulk of bounes emits & m.v find
intensity and maximum value of electric & magnetic field at distance from the
Source Contract of the second
9 (1)
Bo
Q. Asinocidal EMW trovell Amough empty space along X-axis Electric field is along
axis and is maximum value is 63 volt in preguency of wallers y 1/2.
- find it wave length maximum value of magnetic field and Exformed 4. F as
function of Position and time
Trequency = 1.5 9 42 = 1.5 10 112. max 09 14 = 630 m.
C = fA $C = te$
3×10°=1 80
$C = fA$ $C = EG$ $3 \times 10^{6} = 1$ $1.75 \times 10^{6}$
2-291 = x = x=1 = Eodin (xx-wt)j.
$\mathcal{W} = \mathcal{S}_{11}$ $\mathcal{S}_{5}$ $\mathcal$

For More PDFs Visit: LearningMantras.com