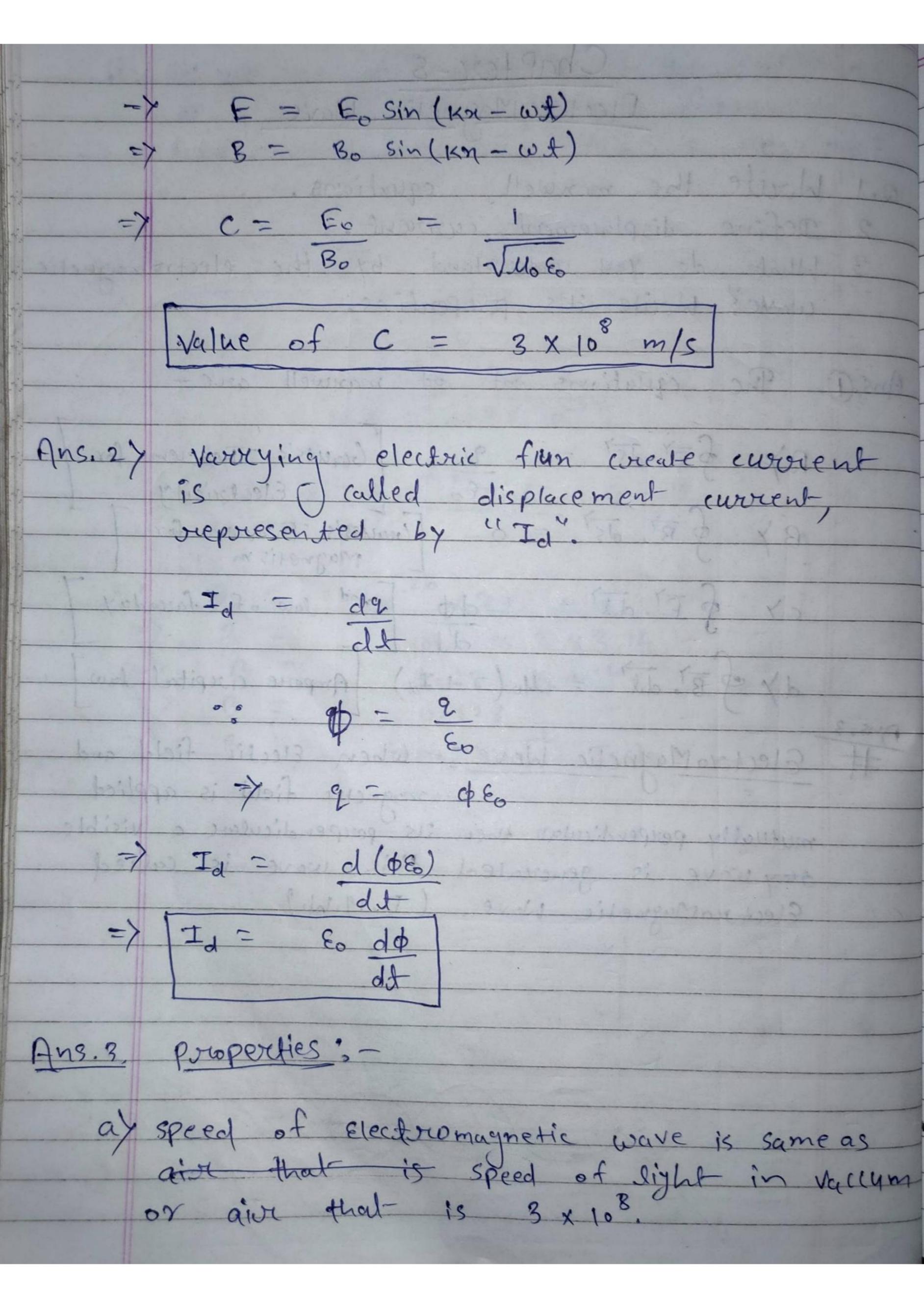
	Chapter-8								
	EjectocoMagnétic Mave								
0.1	Write the manwell equations.								
2	Défine displacement current.								
3	What do you underestand by the electromagneti								
	wave? Write it's properties.								
Ans.	The equations of of manwell are-								
	Ay & E'. ds' = 9 Gauss's Theorem for								
	Electricity 1								
	By & B'. ols' = 0 [maynetism for]								
	L magnetism								
	cy & E'. dJ' = -do [2nd law of farcaday]								
	dt L								
	dy & Br. dd = 40 (I + Id) [Amperie cirrpital law] Electro Magnetic Wave :- when Electic field and magnetic field is applied								
Ans.3									
#	Electoco Magnetic Wave - when Electic tield and								
	ElectroMagnetic Wave. (E.M.W.)								
	electron induction								
	F'								
No.	2 2 X X X X X X X X X X X X X X X X X X								
Sevis L									



by The nature of Electromagnetic wave is et electromagnetic wave always propagating to the and magnetic field. dy Electromagnetic wave does not affect by electric ey speed of electromagnetic wave is THOES = C 4 What is electromagnetic spectrum? 5 Write the name of electromagnetic wave and prepare a chart the following heads: it Name of wave ii) Name of discovered iii) Mave length range iv y Frequency range V) source name vi'y use Ans.47 All Electromagnétic wave are arranged in particular way, this arrangment is called Electromagnetic spectfym. Electromagnetic wave 2 types il Visible spectrum. i) Visible spectrum: - which spectrum that can be seen by our naked eyes. Enumple -> VIBGYOR

201	that seen year	15.NO	anding order		wave length	frequency sange	Source:	luse
10	Mm be UV	4.	Gramma say	(1896)	10 mto 10 m	10 HZ to 19 HZ	Radio active element	Treatment of cancer
C) Porte	Specture series	1) 3.		And the control of the last of	10-11-10 m		Heavy element) +(Stoticking charge particle)	atom
	gay.	ewton 4.	. Visible	Harshall (1800)	4×10 - 7.8×10m	STORY OF STREET	sun	Purification To see
	raned ex			(H881)	107-103m		Hot body	To increase the In green
	Spectory naked Infras		- Micoro wave	(1887) Hwyz	10-3m-1m		Laboratory	house effect In RADAR SYSTEM &
	wisible x - xax	7.	. Radio wave	(1889)	1m-108m	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Lab.	SONAR SYSTEM. For commutation
	1.1. Sel			Harshall (1800)	mal vay.			