	Date: / /
	2 Assignment - 1
Que-1	Which law indicates the absence of Magnetic Monopoles?
A LEXELD	· · · · · · · · · · · · · · · · · · ·
\rightarrow	The Maxwell's Gauss law in Magnetostatius indicates the absence of
	Magnetic Monopoles.
	It can be mathematically supresented as V. B = 0
The second second	$\nabla \cdot B = D$
KARLING.	The same was a Sujard Profit of the same o
- Ch2	changing electric field induces the magnetic field. Write mothemotic
89. Frent (-	Irelation to this effect.
→	The Married to the little to the Land of t
	The Maxwell's third equation of Faraday's law of electromagnetic induction shows the relation between electric field and magnetic field
	It can be mothermodically written as
	VXE = -AB
0,4	- without borrow and below the transmit in
Qu-3	Which Maxwell's equation are coupled together?
the over 1	the about our to anotherwe a the opening of the standard of the standard
, Altitor	The foreday is law and Amphere Maxwell law one dynamically loup equations forming the core of electromagnetic wave theory:
arial	equations forming the Core of electromagnetic wave theory.
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-1:1	Foraday's Jaw of Induction?
.	timphine Maxwell Law:
	Amphine Maxwell Low:
Qu-	Write the characteristics of EM waves?
CXM	With the Charles tills of CH Waves (.
	characteristics of EM waves!
4>	Characteratics of EM waves! Transverse Nature.

Travel at the speed of light (in vaccum) c= 3×108

Courry Energy and Momentum:

Energy = 1 (EoE² + B²)

Mo) EM waves consists of E and B oscillating perpendicular to wave propagation of wave.

Oscillation of E and B occurs in some phase. Which Maxwell Equation remains unchanged under all condition? The second Maxwell Equation, gauss law in magnetism rumains unchanged under all conditions. It states: (-6) What is plane Electromagnetic wave? A plane EM wave is a type of EM move in which electric field (E) and Magnetic field (B) oscillate perpendicular to each other and to the direction of wave propagation. When do Maxwell's equations become uncoupled and with what consequences Maxwell's equations become untoupled in regions when there is no free changes (p=0) and no free aurents (J=0), such as in free space The Equations for free Space will be V2 E = Mo Go & E __ 0

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	Consequences of Unicoupling!
	The Manuell's equations will not depend on each other as there is no free electrons and no current (J=0) in free space.
Qu.8)	The light is generally characterised by electric vector although et also possess Magnetic Vector. Explain?
	In light, electric field dominate over magnetic field vector. Light, a it goes through a medium which has small probability to intersect magnetic field component with medium and mainly, so, electrically dield components predominate.
	是一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,这个大型,这个大型,这个大型,这个大型,这个大型,这个大型 第一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,也不是
Qu-9)	What is plane polarised EM wave?
A STATE OF THE STA	The light wave that has substations occurring only in one plane Called plane polarised on EM waves. Which relation indicates EM waves are related to speak of light?
	The relation which indicates EM waves are related to speed of jight
in American	The state of the Contract of the second of t
	$\nabla^2 \phi = d \partial \partial v d \partial v d $
	The second of th