Third year of Five Years integrated M.Sc (Physics) M.Sc III, Semester –VI				Р	С	
MP 304 :	Electrodynamics and Plasma Physics	3	2	0	5	
• MA Ma	AXWELL'S EQUATIONs Ixwell's Equations In Free Space And Matter			(07 ł	lours)	
• ELI EM	ELECTROMAGNETIC WAVES EM Propagation In Different Media			(07 Hours)		
• PO Pot	TENTIALS AND FIELDS tential formulation, Continuous distribution, Point charge,			(07 H	lours)	
• INT Ma and cro	<b>TRODUCTION TO PLASMA</b> Ignetohydrodynamic equations in Plasma, Magnetic diffusion, Viscosity d pressure, Magnetohydrodynamic flow between boundaries with Issed electric and magnetic field, Pinch effect.			(14 H	lours)	
• WA Ma on	AVES IN PLASMA Ignetohydrodynamic waves, Plasma oscillations, Short wavelength limit plasma oscillation and Debye screening distance			(07 H	lours)	
	(Total Contact T	ime (	Theory	y) : 42	Hours)	

## **BOOKS RECOMMENDED :**

1.	Jackson, J.D.	Classical Electrodynamics, 3rd Edition:	John Wiley India	2007
2.	Griffiths, D.J.	Introduction to electrodynamics: 3rd Edition	Prentice Hall,	1999
3.	Das A. C.,	Space plasma Physics	Narosa	2004
4.	Chen F. F,	Intro to Plasma Physics	Plenum	2004
5.	Freidberg, J. P. ,	Plasma Physics and Energy Fusion,	Cambridge University Press;	2008