

CLASS-10
PHYSICAL SCIENCE
UNIT PLAN
CHAPTER: 12 – ELECTRO MAGNETISM

PERIOD NUMBER	CONCEPTS / TEACHING POINTS	PAGES IN TEXT BOOK		REMARKS
		FROM	TO	
1.	Electro magnetism –Oersted -Oersted’s experiment	258	259	
2.	Magnetic field –Activity Direction of magnetic field, strength Magnetic lines of force	260	262	
3.	Uniform , non uniform magnetic fields Magnetic flux – Magnetic field Induction	262	263	
4.	Magnetic field due to current – Activity Right hand thumb rule	263	264	
5.	Right hand thumb rule Magnetic field due to circular coil Magnetic field due to Solenoid	265	266	
6.	Magnetic force on moving charge and current carrying wire	266	268	
7.	Time period of charged particle Magnetic force on current carrying wire which is placed along a magnetic field	268	270	
8.	Result force applied on a current carrying wire - Experiment	270	271	
9.	Electric motor – Principle and Working	271	273	
10.	Electro magnetic induction Faraday’s laws	273	275	
11.	Electro magnetic induction Faraday’s laws – Lenz’s rule	275	277	
12.	Conservation of energy – Faraday’s laws	277	279	
13.	Induced Electro motive force – problems Faraday’s law of electro magnetic induction and Its applications	279	280	
14.	Electric generator – A.C. and D.C. currents	280	283	