

CLASS-10 PHYSICAL SCIENCE UNIT PLAN

CHAPTER: 02 – CHEMICAL REACTIONS AND EQUATIONS

PERIOD NUMBER	CONCEPTS / TEACHING POINTS	PAGES IN TEXT BOOK		REMARKS
		FROM	TO	
1.	Chemical reactions - Permanent, temporary change Chemical reactions – Natural, manmade changes Changes in chemical reactions	20	22	
2.	Writing of chemical equation Steps to balance chemical equation Balancing chemical equations	22	27	
3.	Making chemical equation more informative Physical state, temperature difference, releasing gas Interpretation a balanced chemical equation Chemical equations – calculations – problems	27	30	
4.	Types of chemical reactions Chemical combination Chemical decomposition	30	34	
5.	Types of chemical reactions Chemical displacement Chemical double displacement	34	37	
6.	Oxidation – Reduction Oxidation agent – reduction agent	37	38	
7.	Effect of oxidation in daily life Corrosion – corrosion of food and metals like iron Corrosion – reasons – preventions	38	40	
8.	Some other effects of oxidation in daily life Rancidity – reasons – preventions Precautions to be taken to preserve food material	41	41	